GROUP 51

EXTERIOR

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FRONT BUMPER ASSEMBLY AND RADIATOR GRILLE

ADHESIVE

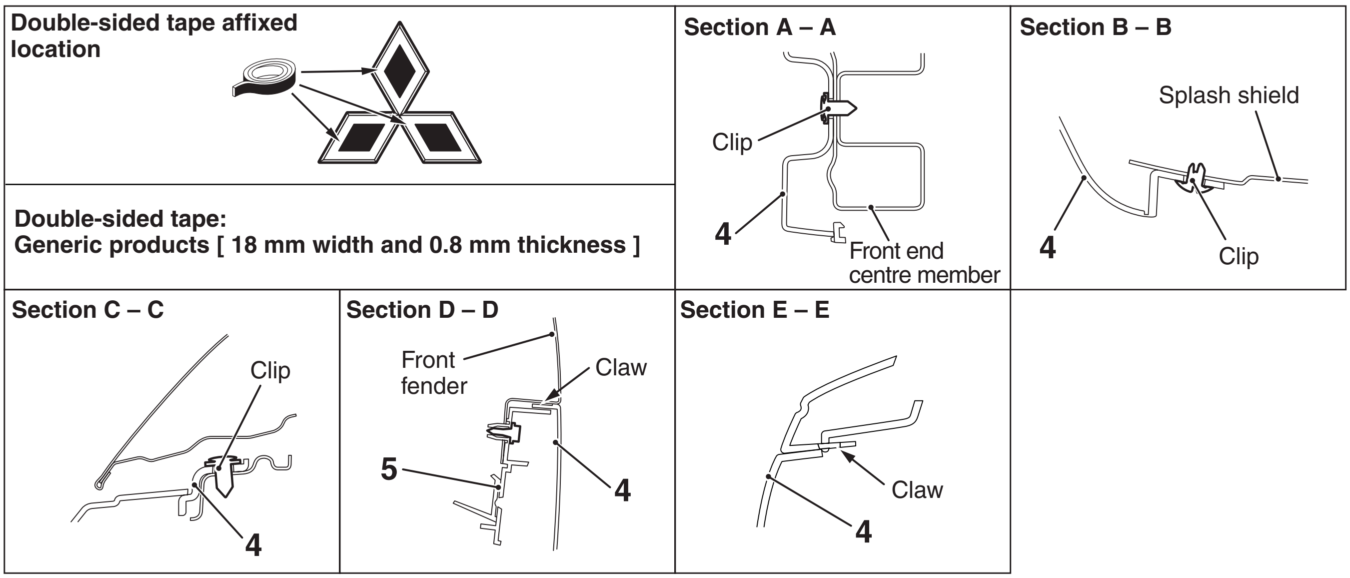
M1511000501021

Application	Specified adhesive
Front three-diamond mark	Double-sided tape: Generic products 18 mm width and 0.8 mm thickness

REMOVAL AND INSTALLATION

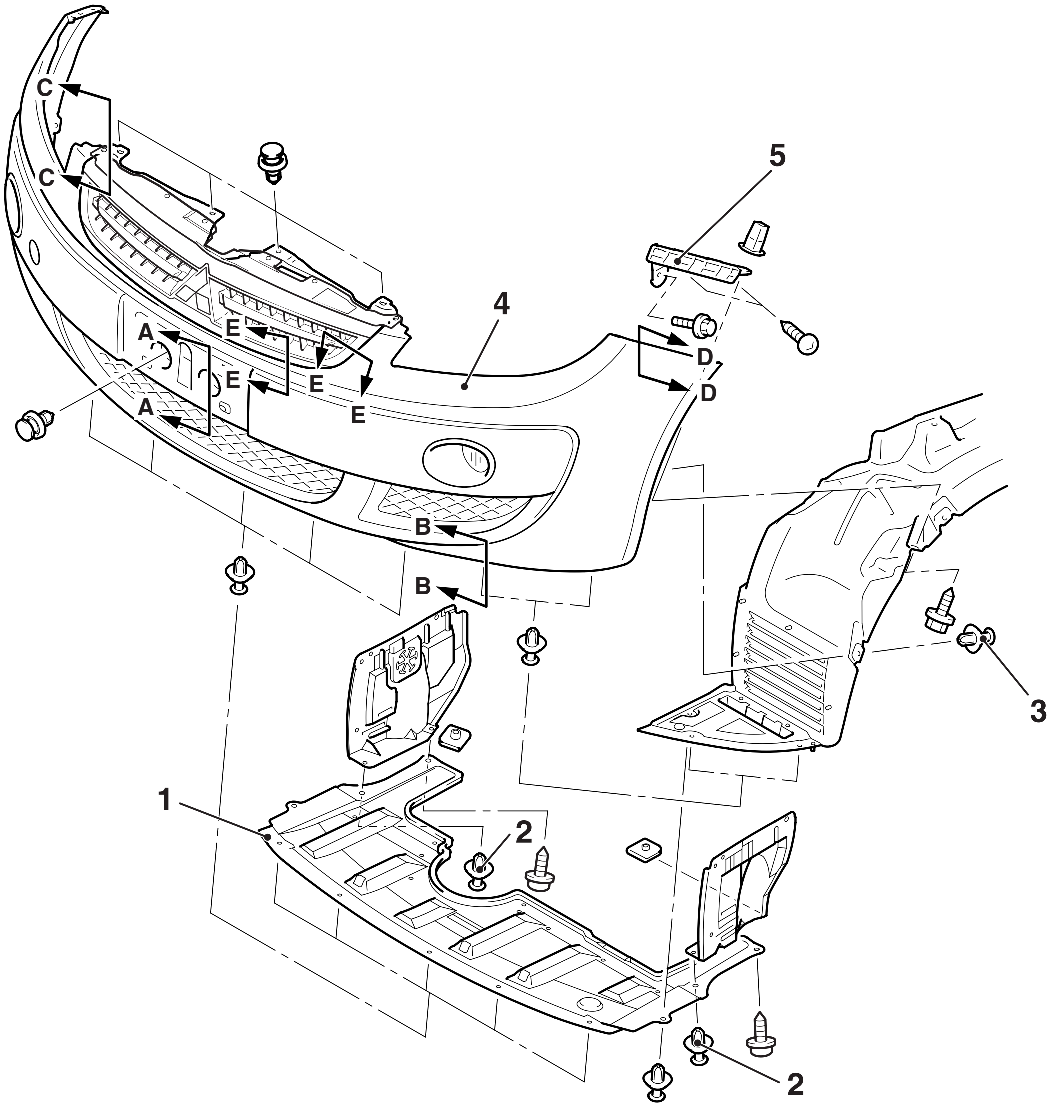
M1511025400170

<EXCEPT RALLIART Version-R>



AC403339AE

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Group TOC



AC405501AB

Removal steps

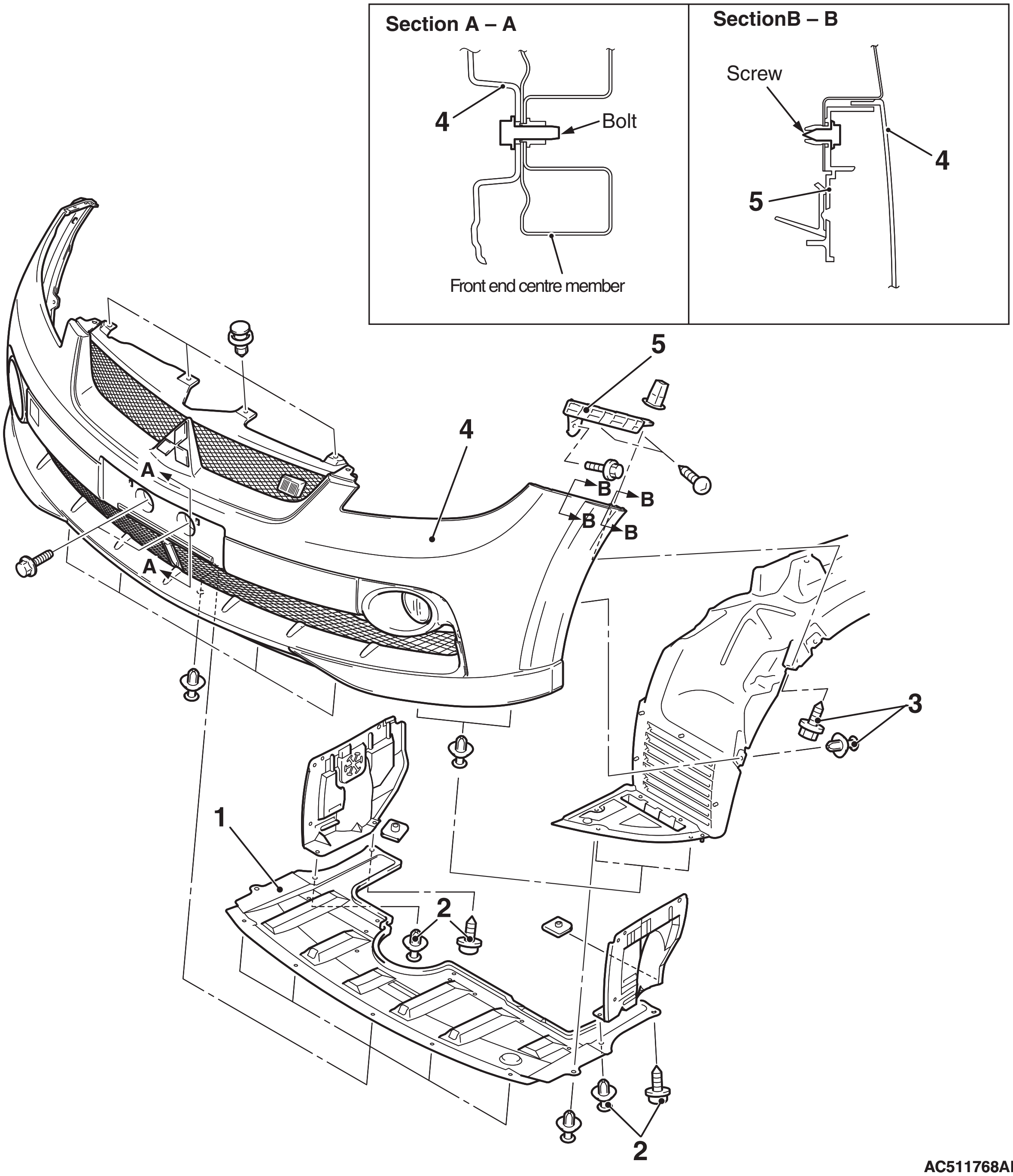
1. Front under cover panel assembly
2. Side under cover panel mounting clips
3. Splash shield mounting clips

Removal steps (Continued)

- Fog lamp connector connection <vehicles with fog lamp>

4. Front bumper assembly
5. Front bumper bracket

<RALLIART Version-R>



Removal steps

1. Front under cover panel assembly
2. Side under cover panel mounting clips and screw
3. Splash shield mounting clips and screw

Removal steps (Continued)

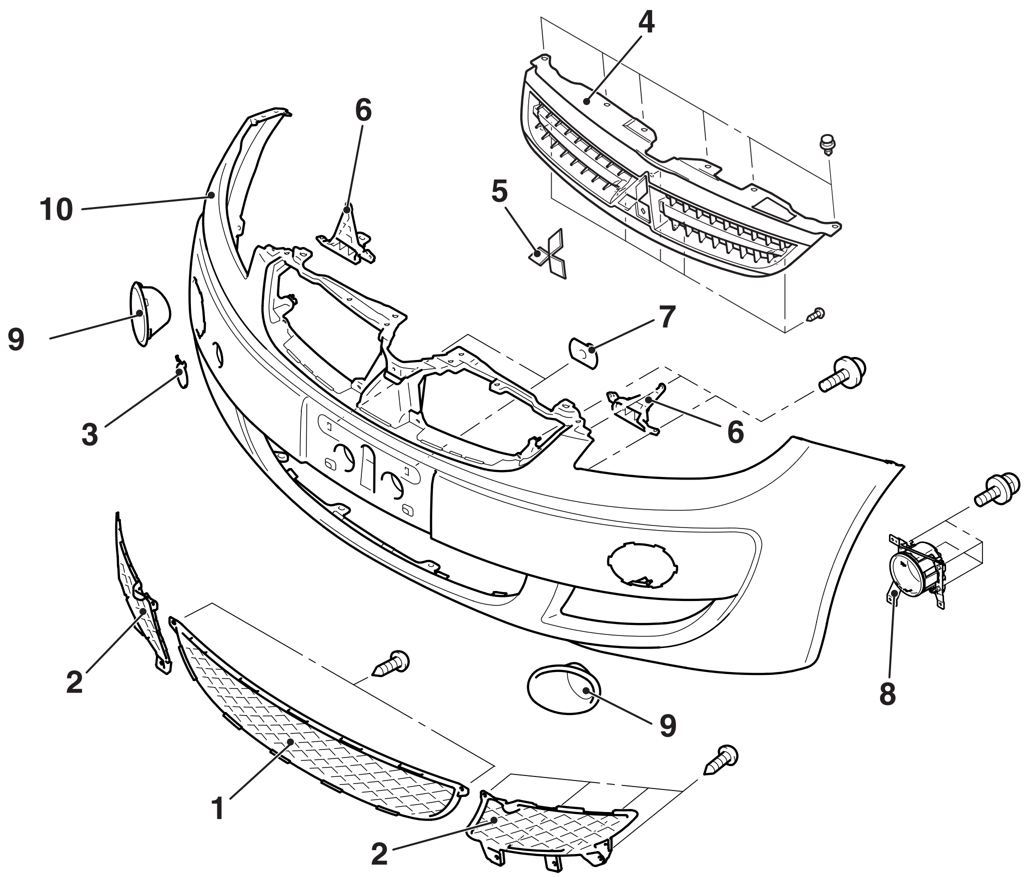
- Fog lamp connector connection <vehicles with fog lamp>

4. Front bumper assembly
5. Front bumper bracket

DISASSEMBLY AND REASSEMBLY

M1511025500155

<EXCEPT RALLIART Version-R>



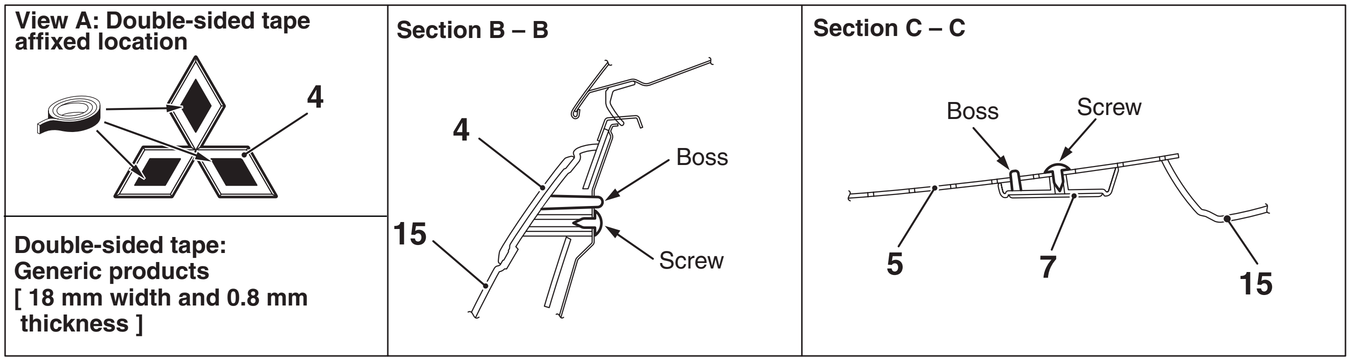
AC601359AB

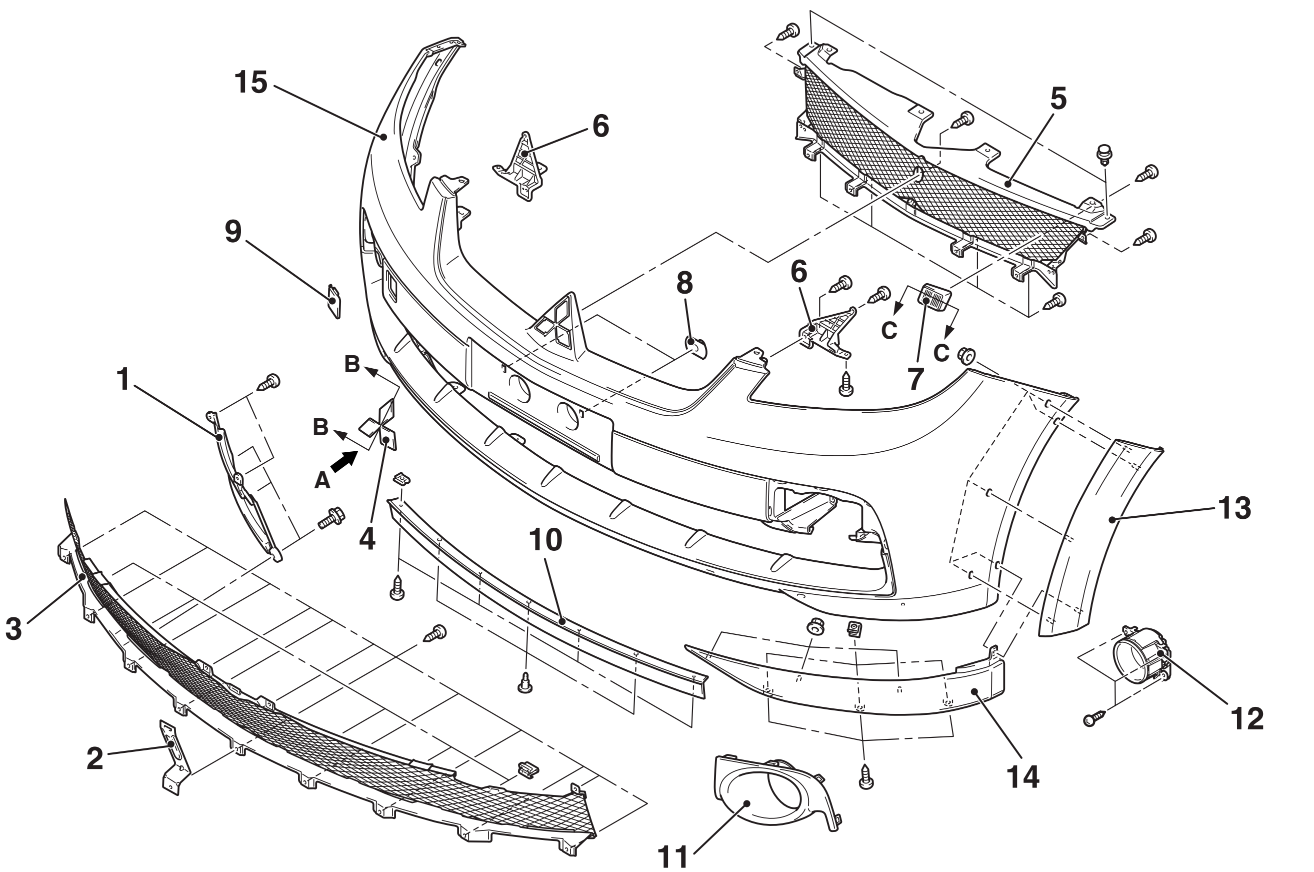
Disassembly steps
1. Front bumper grille
2. Front bumper side grille
3. Front bumper cap
4. Radiator grille assembly
5. Front three-diamond mark
6. Front bumper bracket

Disassembly steps (Continued)
7. Front bumper nut
8. Front fog lamp <vehicles with fog lamp>
9. Front fog lamp bezel <vehicles with fog lamp>
10. Front bumper face

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<RALLIART Version-R>





Disassembly steps

1. Front bumper cover
2. Front bumper bracket A
3. Front bumper net
4. Three-diamond mark
5. Radiator grille assembly
6. Front bumper bracket B
7. RALLIART mark
8. Front bumper nut
9. Front bumper cap

Disassembly steps (Continued)

10. Air dam skirt panel A
11. Front fog lamp bezel <vehicles with fog lamp>
12. Front fog lamp <vehicles with fog lamp>
13. Front bumper extension
14. Air dam skirt panel B
15. Front bumper face

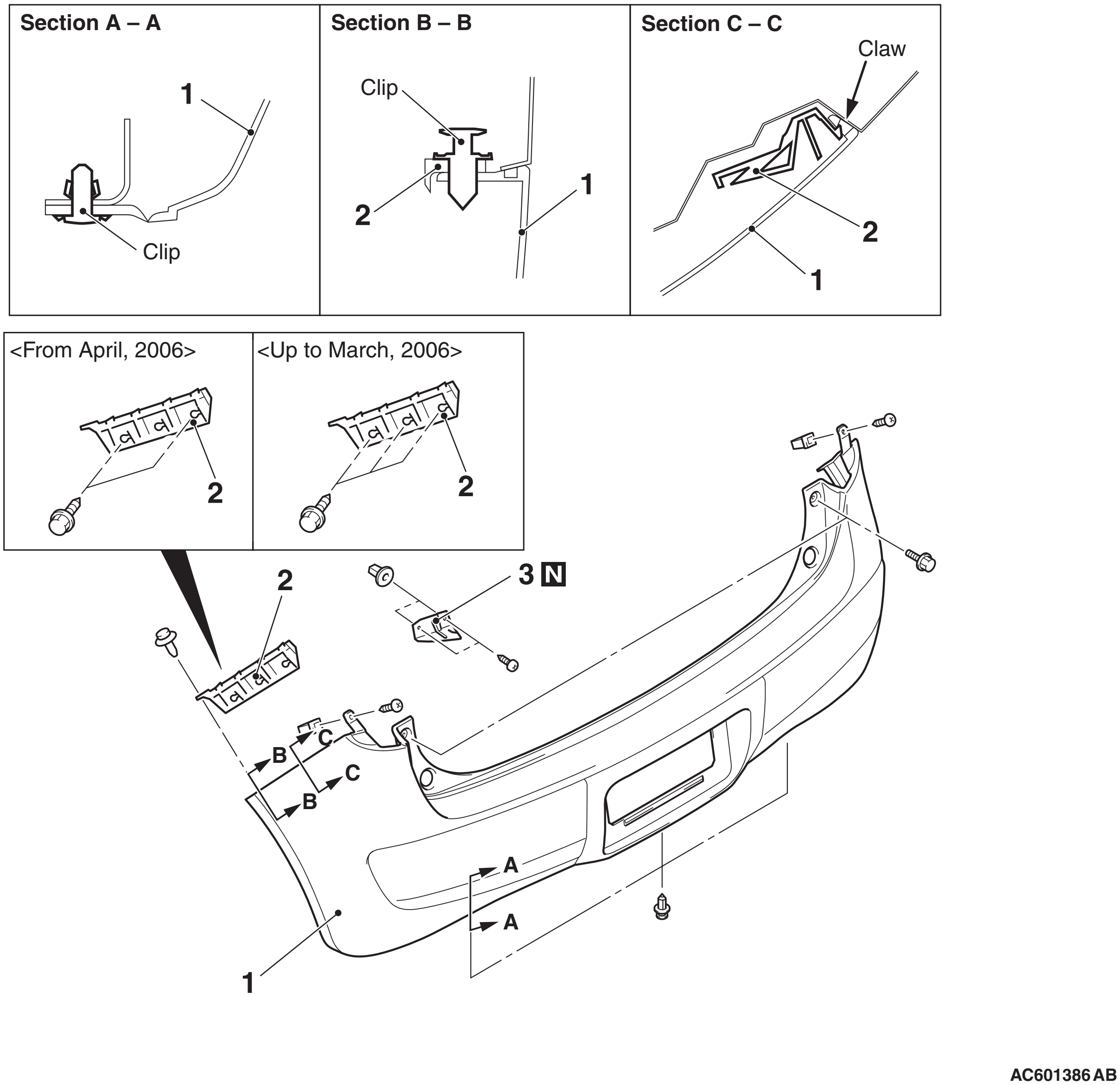
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REAR BUMPER ASSEMBLY

REMOVAL AND INSTALLATION

M1511001901323

<EXCEPT RALLIART Version-R>



Removal steps

- Rear combination lamp (Refer to GROUP 54A, Rear combination lamp P.54A-81).

<<**A**>> 1. Rear bumper assembly

Removal steps (Continued)

2. Rear bumper side bracket

>>**A**<< 3. Rear bumper support plate

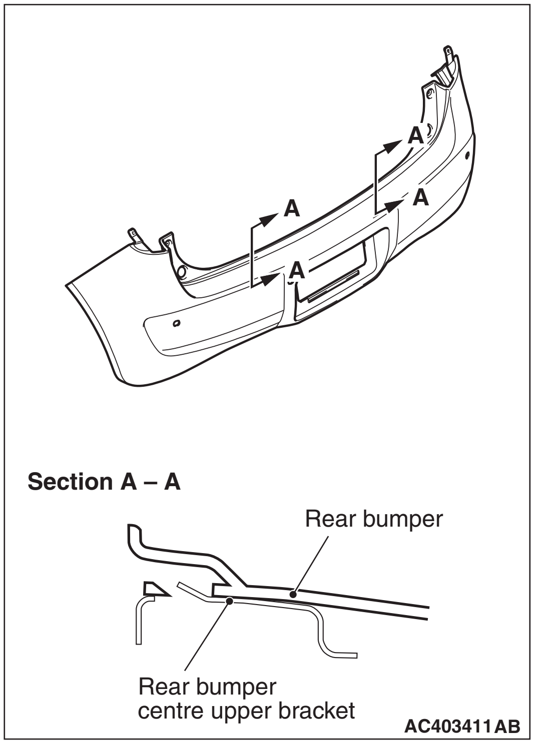
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REMOVAL SERVICE POINT

<<A>>REAR BUMPER ASSEMBLY REMOVAL

⚠ CAUTION

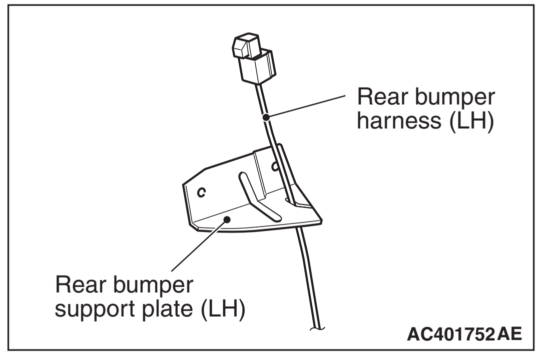
When removing the rear bumper, wrap a protective tape around the licence plate to avoid damage to the bumper with the licence plate.



Slide the rear bumper assembly sideways, and remove it.

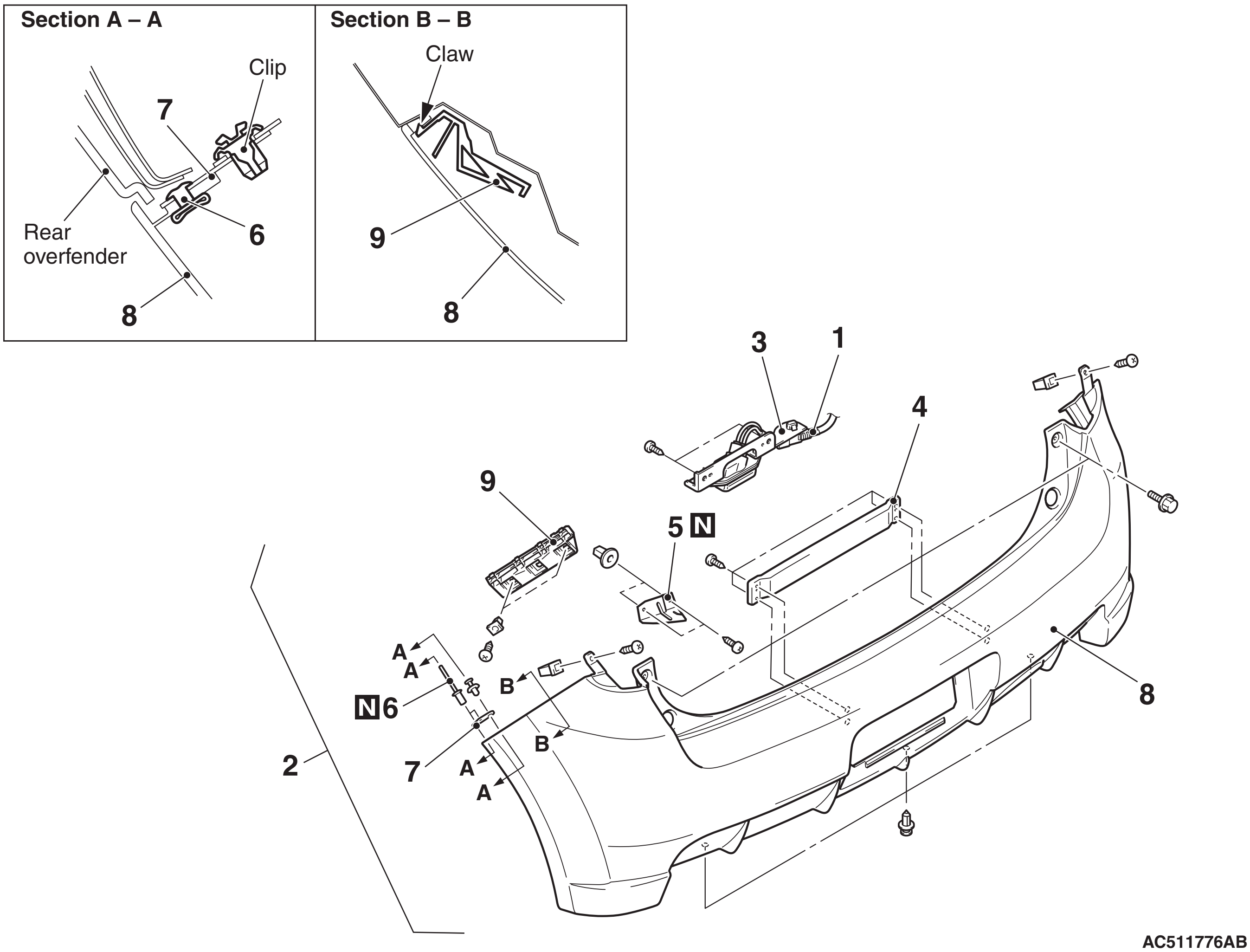
INSTALLATION SERVICE POINT

>>A<<REAR BUMPER SUPPORT PLATE INSTALLATION



For rear bumper support plate (LH), a cutout for rear bumper harness installation is provided. Install the harness as shown in the illustration.

<RALLIART Version-R>



Removal steps

- Rear combination lamp GROUP 54A, Rear combination lamp P.54A-81).

1. Licence plate lamp connector connection
2. <<A>> Rear bumper assembly
3. Licence plate lamp assembly
4. Rear bumper bracket
5. >>A<< Rear bumper support plate
6. <<B>> >>B<< Rivet

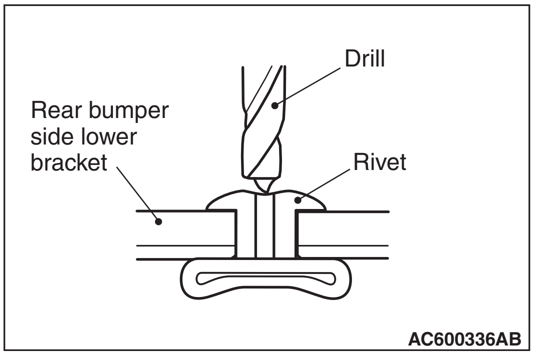
Removal steps (Continued)

7. Rear bumper side lower bracket
8. Rear bumper face
9. Rear bumper side bracket

NOTE: Refer to REMOVAL AND INSTALLATION <EXCEPT RALLIART Version-R> for the rear bumper assembly removal and rear bumper support plate installation.

REMOVAL SERVICE POINT

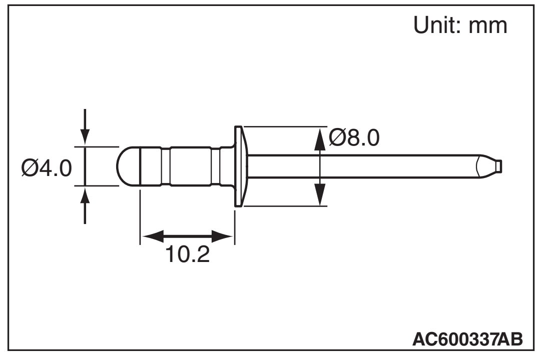
<<B>> RIVETS REMOVAL



Use a drill (4.0 mm) to make a hole in the rivet to break it, and then remove the rivet.

INSTALLATION SERVICE POINT

>>B<< RIVETS INSTALLATION



Use a rivet tool to attach the rivet by the following procedure.

1. Insert the rivet into the base material rear bumper side lower bracket.
2. Attach the rivet by using the rivet tool.

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OVERFENDER <RALLIART Version-R>

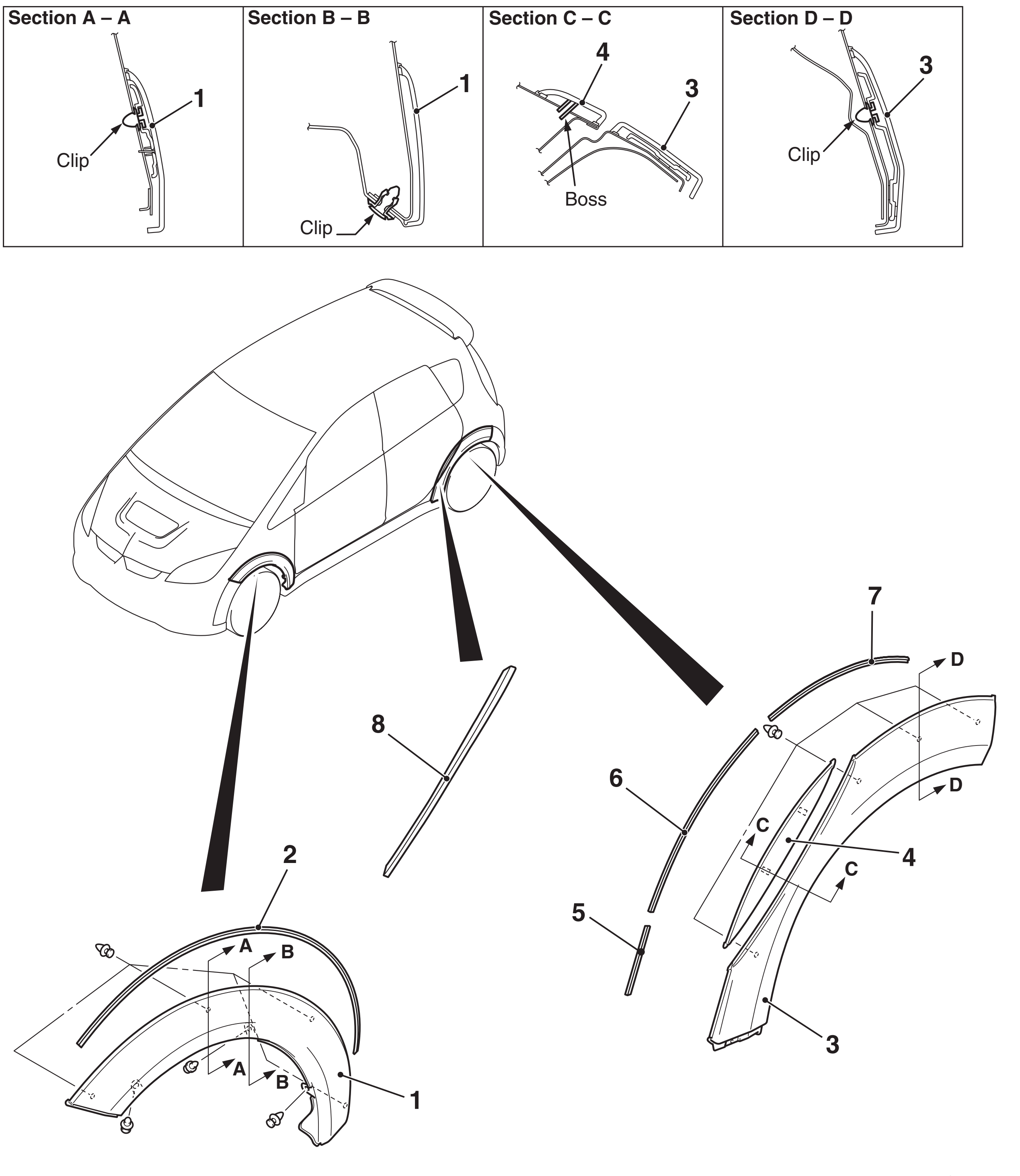
ADHESIVE

M1511000501452

Application	Specified adhesive
Front / Rear/Rear door overfender	Double-sided tape: Generic products a: 3.0 mm width and 1.2mm thickness b: 0.8mm thickness

REMOVAL AND INSTALLATION

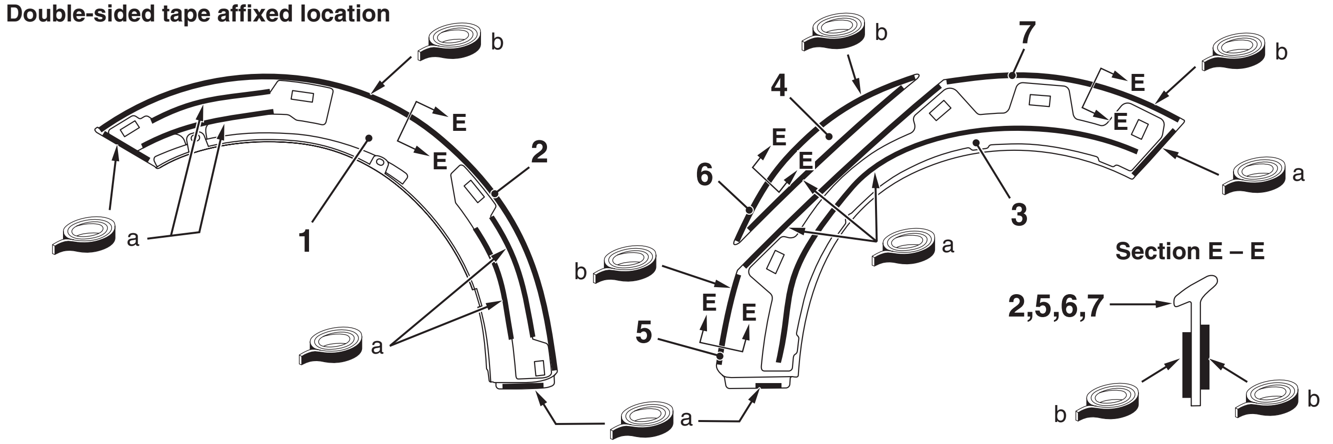
M1511024700178



AC511796AB

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Double-sided tape affixed location



Double-sided tape: Generic products,
a: 3.0 mm width and 1.2 mm thickness
b: 0.8 mm thickness

AC511797AB

Removal steps

- Side air dam (Refer to P.51-25)

1. Front overfender
2. Front overfender pad
3. Rear overfender
4. Rear door overfender

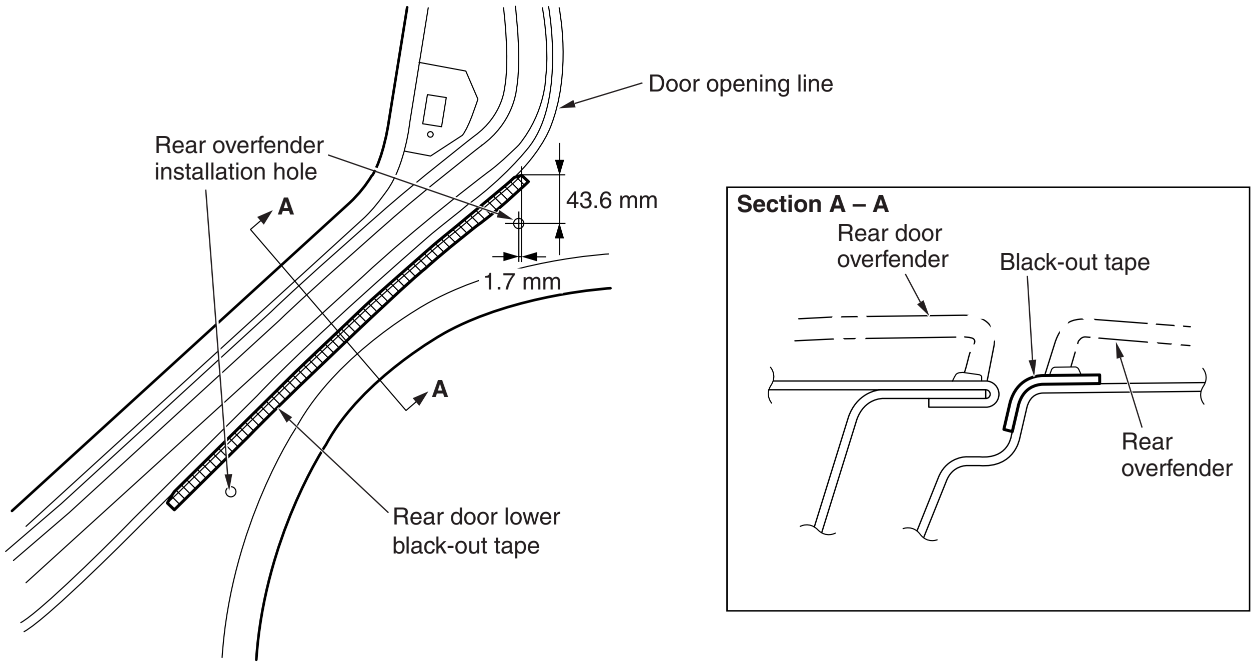
Removal steps (Continued)

5. Rear overfender pad A
6. Rear door garnish pad
7. Rear overfender pad B
8. >>**A**<< Rear door lower black-out tape (body side)

INSTALLATION SERVICE POINT

>>A<<REAR DOOR LOWER BLACK-OUT TAPE INSTALLATION

1. INSTALLATION POSITION



AC600859AB

⚠ CAUTION

- **The ambient temperature should be 20 to 38°C. Ensure that the working area is clean.**
- **If ambient temperature is less than 15°C, heat the black-out tape and application surface to a temperature of 20 to 30°C.**
- **Be careful that air bubbles are not formed under the black-out tape.**

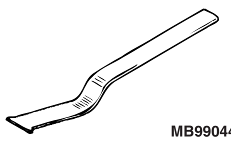
2. INSTALLATION PROCEDURE
   (1) Wipe the black-out tape application surface and clean it with a rag moistened with isopropyl alcohol.
   (2) Remove backing paper from the black-out tape, and apply the tape to the specified position.
   (3) Remove an application tape from the black-out tape.

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MOULDINGS

SPECIAL TOOL

M1511000601578

Tool	Number	Name	Application
 MB990449	MB990449	Window moulding remover	Removal of drip moulding

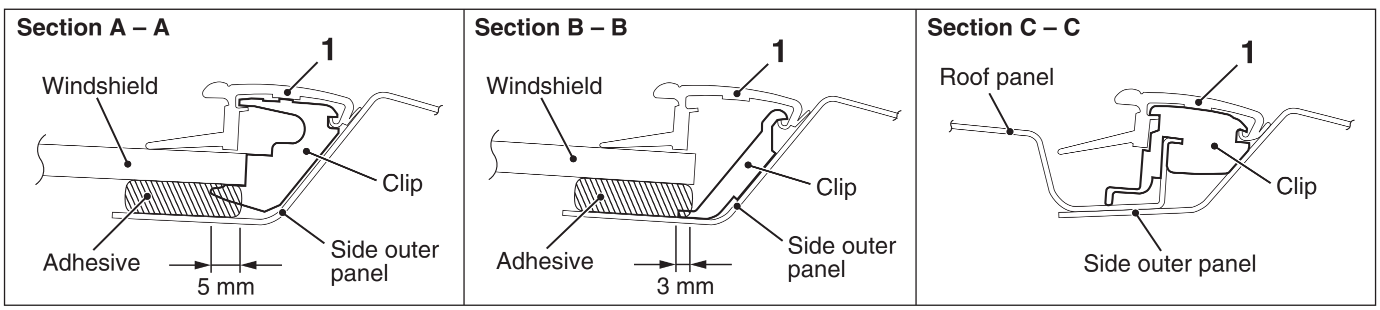
MOULDINGS

REMOVAL AND INSTALLATION

M1511004700336

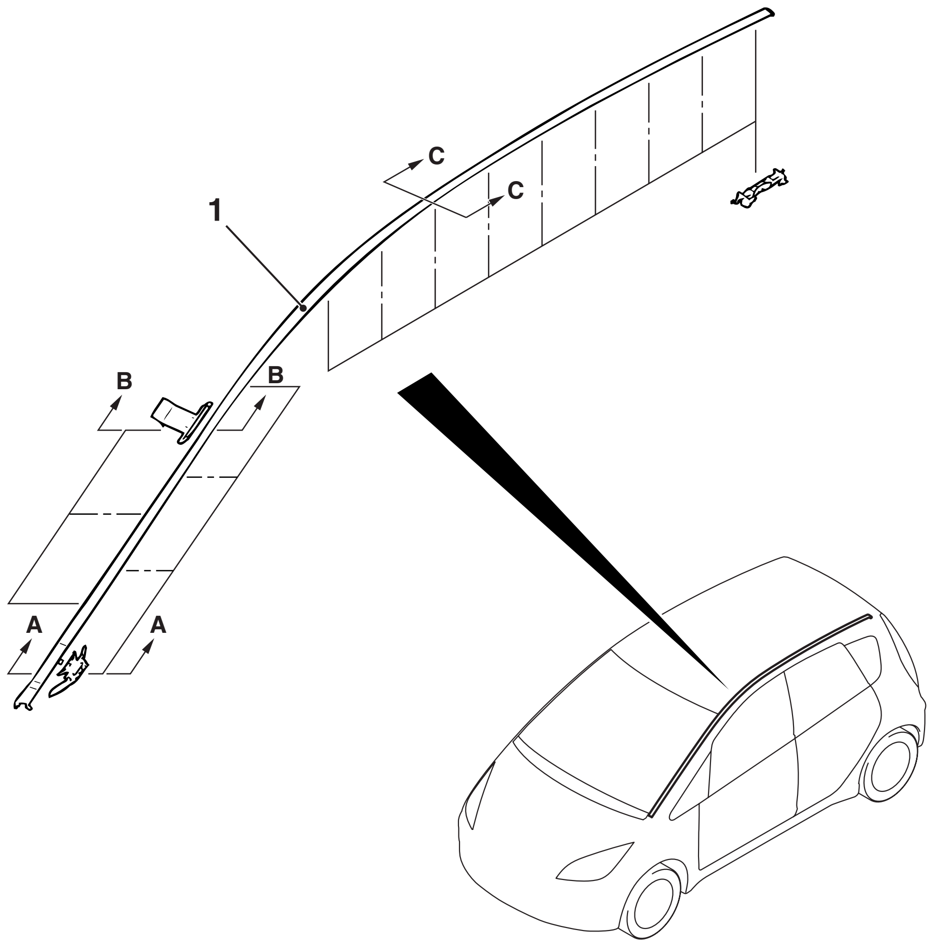
⚠ CAUTION

Before the installation of the roof drip moulding, the windshield adhesive remains on the clip installation points shall be removed 3 to 5 mm from the edge of the glass. However, if the windshield adhesive has not been cured yet, it is not necessary to remove it.



AC314040AB

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AC314046AB

Roof drip moulding removal step

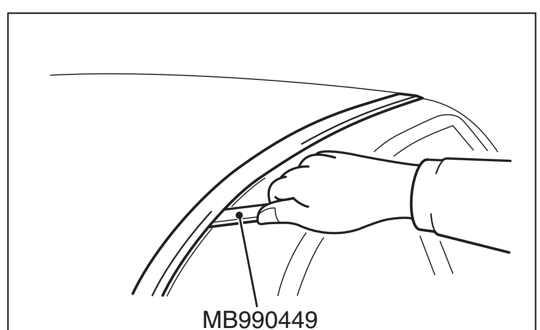
<<**A**>>	1.	Roof drip moulding

REMOVAL SERVICE POINT

<<A>> ROOF DRIP MOULDING REMOVAL

⚠ CAUTION

If the moulding has become warped, it should not be reused.



AC313298AB

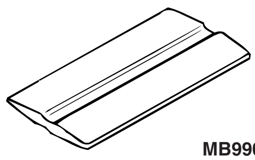
Use special tool window moulding remover (MB990449) to pry out the moulding.

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DOOR SASH TAPE

SPECIAL TOOL

M1511000601589

Tool	Number	Name	Application
 MB990528	MB990528	Stripe tape spatula	Door sash tape

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Group TOC

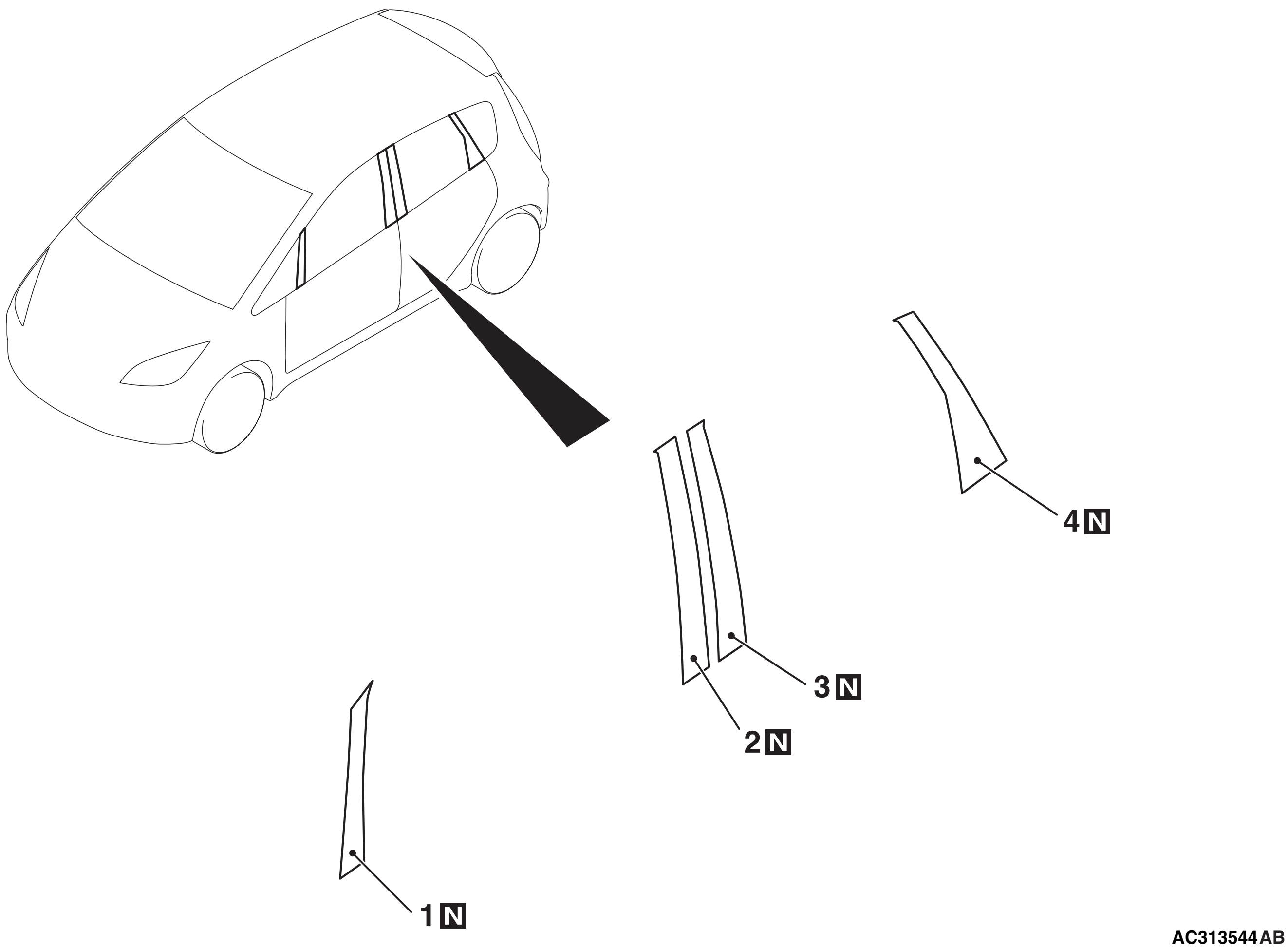
DOOR SASH TAPE

REMOVAL AND INSTALLATION

M1511024100110

Pre-removal and Post-installation Operation

- Door Beltline Weather Strip Inner Removal and Installation (Refer to GROUP 42, Window Glass Runchannel and Door Opening Weatherstrip P.42-48).
- Door Opening Weather Strip Outer Removal and Installation (Refer to GROUP 42, Window Glass Runchannel and Door Opening Weatherstrip P.42-48).
- Door Window Glass Runchannel Removal and Installation (Refer to GROUP 42, Window Glass Runchannel and Door Opening Weatherstrip P.42-48).
- Door Beltline Moulding Removal and Installation (Refer to GROUP 42, Window Glass Runchannel and Door Opening Weatherstrip P.42-48).



Front door sash outer tape removal steps

<<**A**>>	>>**A**<<	1.	Door sash outer tape A
<<**A**>>	>>**A**<<	2.	Door sash outer tape B

Rear door sash outer tape removal steps

<<**A**>>	>>**B**<<	3.	Door sash outer tape C
<<**A**>>	>>**B**<<	4.	Door sash outer tape D

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Group TOC

REMOVAL SERVICE POINT

<<A>> DOOR SASH TAPES REMOVAL

⚠ CAUTION

Pay attention to keep from getting burned by hot door panel or tapes.

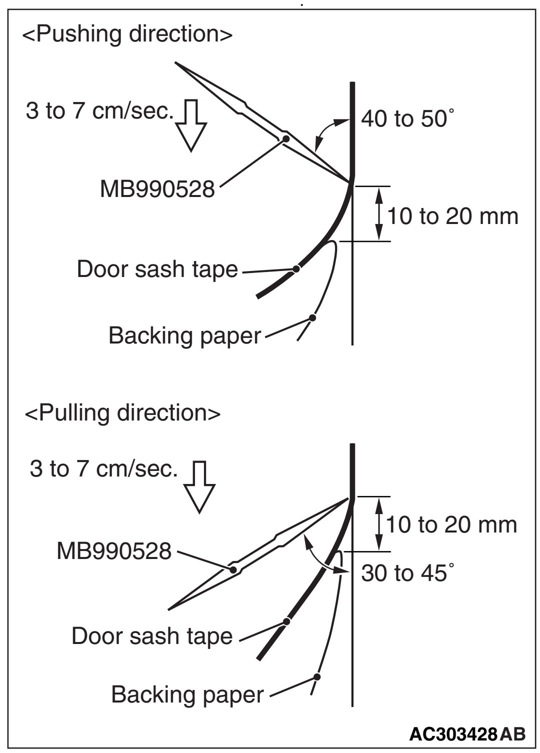
1. Use a hair drier to warm the tape.
2. Peel the tip of the tape with your finger, and then peel off the tape parallel to the application surface.

INSTALLATION SERVICE POINT

>>A<< FRONT DOOR SASH OUTER TAPES INSTALLATION

⚠ CAUTION

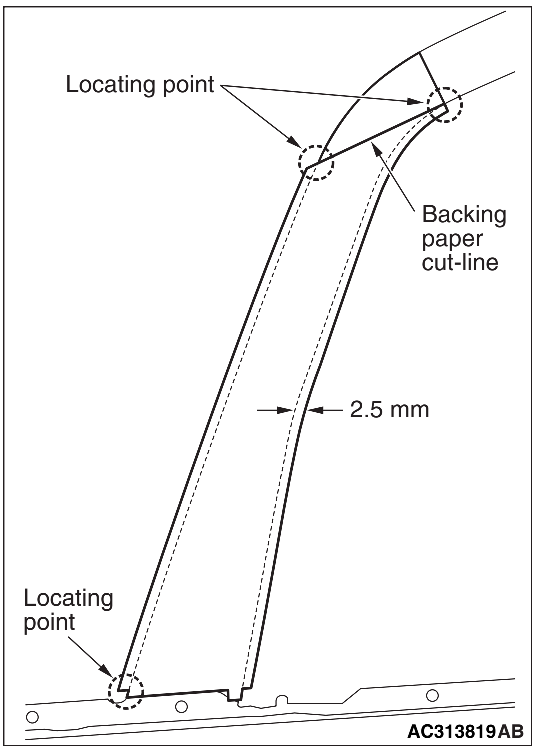
- **The ambient temperature should be 20 to 30°C. Ensure that the working area is clean. Ideally, the tape application should be done at ambient temperature of 25°C.**
- **If ambient temperature is less than 15°C, heat the tape and application surface to a temperature of 20 to 30°C. If ambient temperature is 35°C or higher, cool down them.**
- **The adhesive property of the tape is deteriorated at low temperature, so the tape may come adrift easily. Meanwhile, it gets softened at hot temperature.**
- **When beginning to apply the tape, pay particular attention. If the end of the tape cannot be applied to the specified position with an accuracy of less than 1 mm, it may cause the poor appearance or adhesion.**



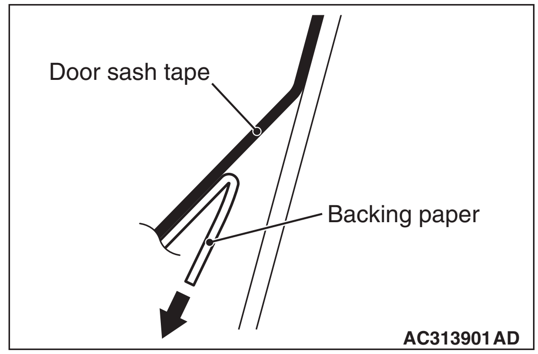
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Use the special tool Stripe tape spatula (MB990528) to apply the tape with a steady pace and pressure. If you do not apply the tape with a steady pace or pressure, or abort the application, a shallow groove (lateral groove called as "Shock line") may be present on the tape surface. Meanwhile, if you apply it too quickly, air bubbles may be formed under the tape.

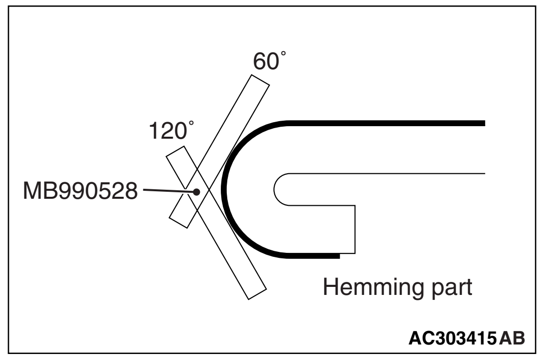
1. Wrap a soft cloth (synthetic fibre) around the tip of the special tool.
2. Use isopropyl alcohol to degrease the tape application surface.
3. Wipe away dirt from the tape.
4. Apply the front door sash tape outer (A) according to the procedure below.



(1) Align the tape with the specified application position.
(2) Position it with a magnet, and secure with a clip temporarily.
(3) Peel off the backing paper behind the cut line in the vehicle rear side, and apply the tape temporarily.

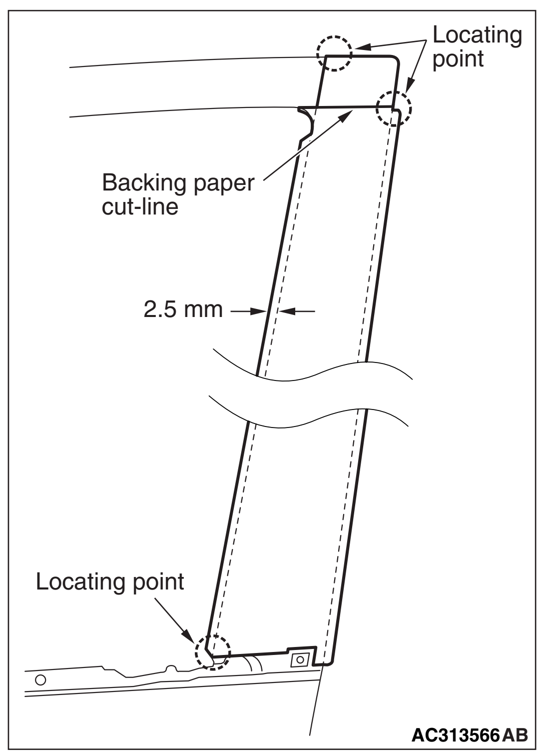


(4) While peeling off the remaining backing paper from vehicle rear to front, press the tape.
(5) Peel off the application tape in the direction of 180 degree from the applied direction.



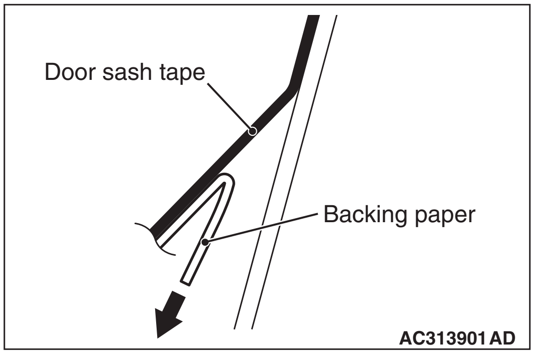
(6) Press the folded area of the tape at 3 positions (60 degrees, 120 degrees, and holding), rolling in toward the vehicle inside direction.

5. Apply the front door sash tape outer (B) according to the procedure below.

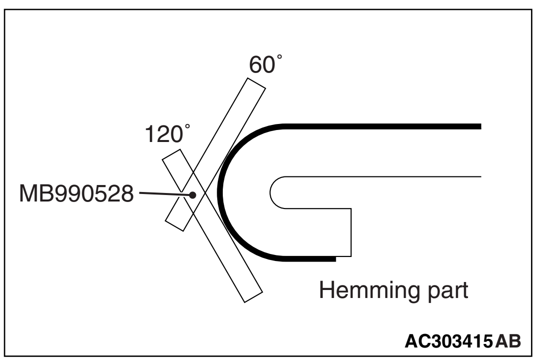


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(1) Align the tape with the specified application position.
(2) Position it with a magnet, and secure with a clip temporarily.
(3) Peel off the backing paper in the upper area of the tape upward the cut line, and apply the tape temporarily.



(4) While peeling off the remaining backing paper downward, press the tape.
(5) Peel off the application tape upward in the direction of 180 degrees.

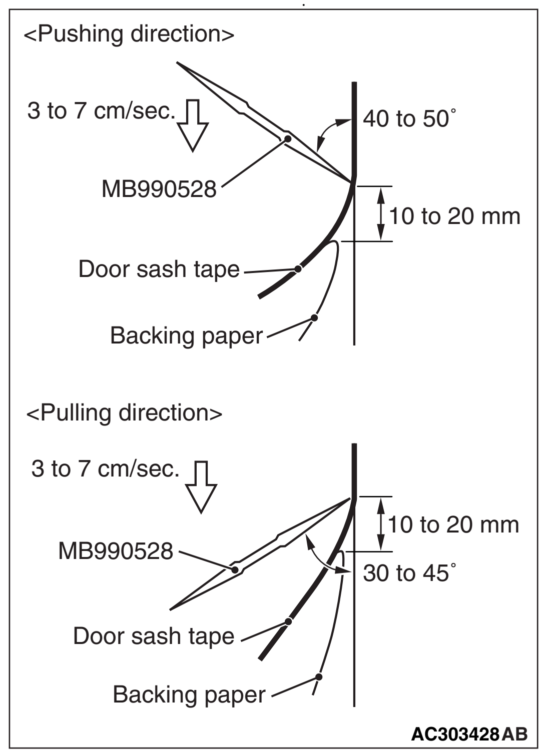


(6) Press the folded area of the tape at 3 positions (60 degrees, 120 degrees, and holding), rolling in toward the vehicle inside direction.

>>B<< REAR DOOR SASH OUTER TAPES INSTALLATION

⚠ CAUTION

- **The ambient temperature should be 20 to 30°C. Ensure that the working area is clean. Ideally, the tape application should be done at ambient temperature of 25°C.**
- **If ambient temperature is less than 15°C, heat the tape and application surface to a temperature of 20 to 30°C. If ambient temperature is 35°C or higher, cool down them.**
- **The adhesive property of the tape is deteriorated at low temperature, so the tape may come adrift easily. Meanwhile, it gets softened at hot temperature.**
- **When beginning to apply the tape, pay particular attention. If the end of the tape cannot be applied to the specified position with an accuracy of less than 1 mm, it may cause the poor appearance or adhesion.**

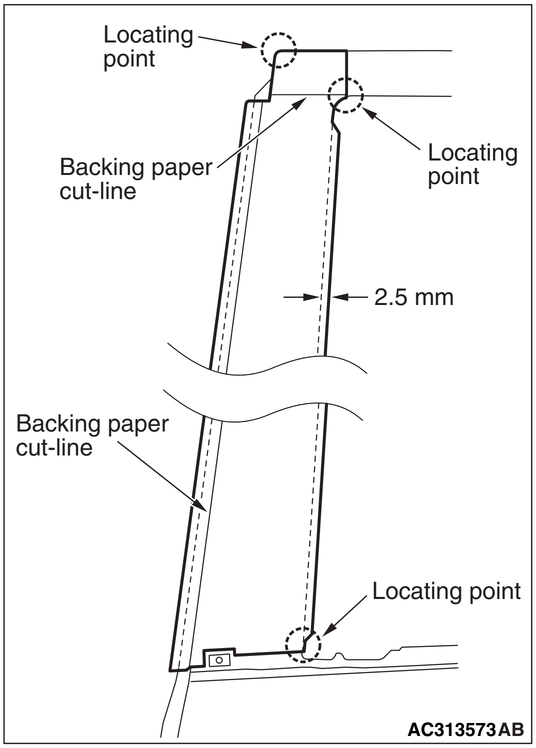


Use the special tool Stripe tape spatula with a steady pace and pressure. If you do not apply the tape with a steady pace or pressure, or abort the application, a shallow groove (lateral groove called as "Shock line") may be present on the tape surface. Meanwhile, if you apply it too quickly, air bubbles may be formed under the tape.

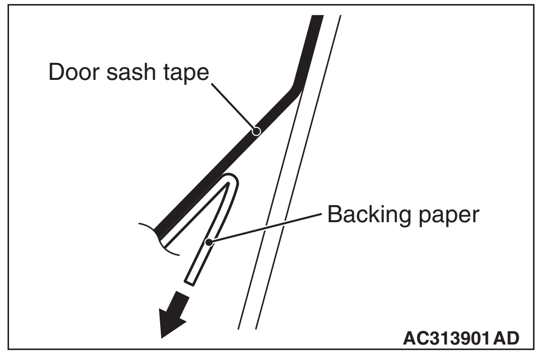
1. Wrap a soft cloth (synthetic fibre) around the tip of the special tool.

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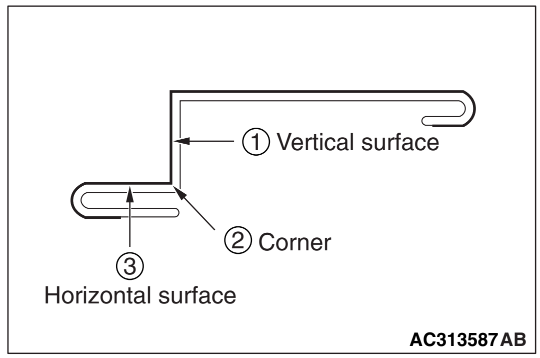
2. Use isopropyl alcohol to degrease the tape application surface.
3. Wipe away dirt from the tape.
4. Apply the door sash tape outer (C) according to the procedure below.



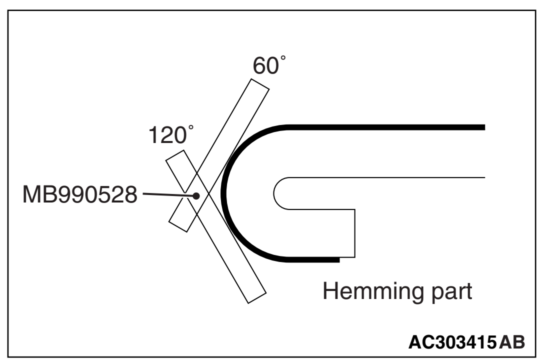
(1) Align the tape with the specified application position.
(2) Position it with a magnet, and secure with a clip temporarily.
(3) Peel off the backing paper in the upper area of the tape upward the cut line, and apply the tape temporarily.



(4) While peeling off the remaining backing paper from vehicle rear to front, press the tape.
(5) Peel off the application tape upward in the direction of 180 degrees.



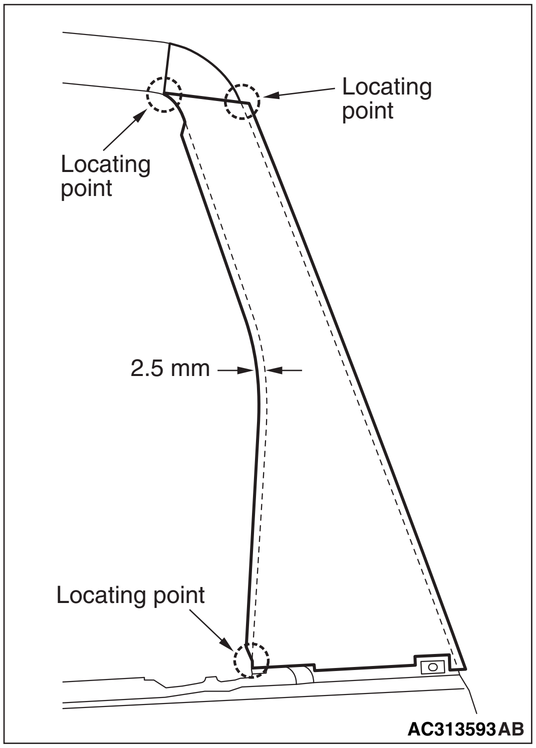
(6) Apply the tape to vertical surface (1), and peel off the remaining backing paper. Then apply the tape to corner (2) and horizontal surface (3) in that order.



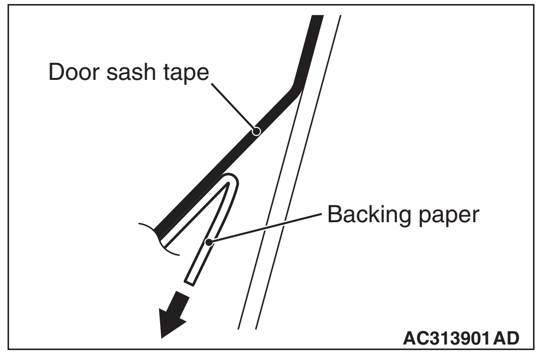
(7) Press the folded area of the tape at 3 positions (60 degrees, 120 degrees, and holding), rolling in toward the vehicle inside direction.

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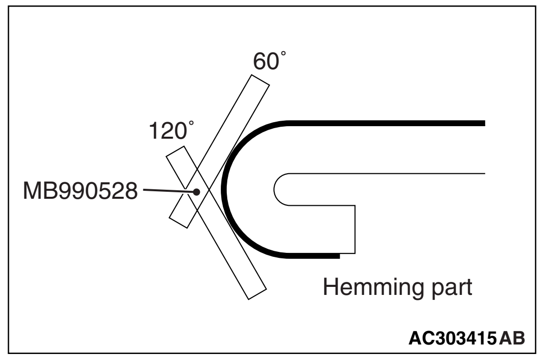
5. Apply the door sash tape outer (D) according to the procedure below.



(1) Align the tape with the specified application position.
(2) Position it with a magnet, and secure with a clip temporarily.
(3) Peel off the backing paper in the upper area of the tape upward the cut line, and apply the tape temporarily.



(4) While peeling off the remaining backing paper downward, press the tape.
(5) Peel off the application tape upward in the direction of 180 degrees.



(6) Press the folded area of the tape at 3 positions (60 degrees, 120 degrees, and holding), rolling in toward the vehicle inside direction.

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SIDE AIR DAM

ADHESIVE

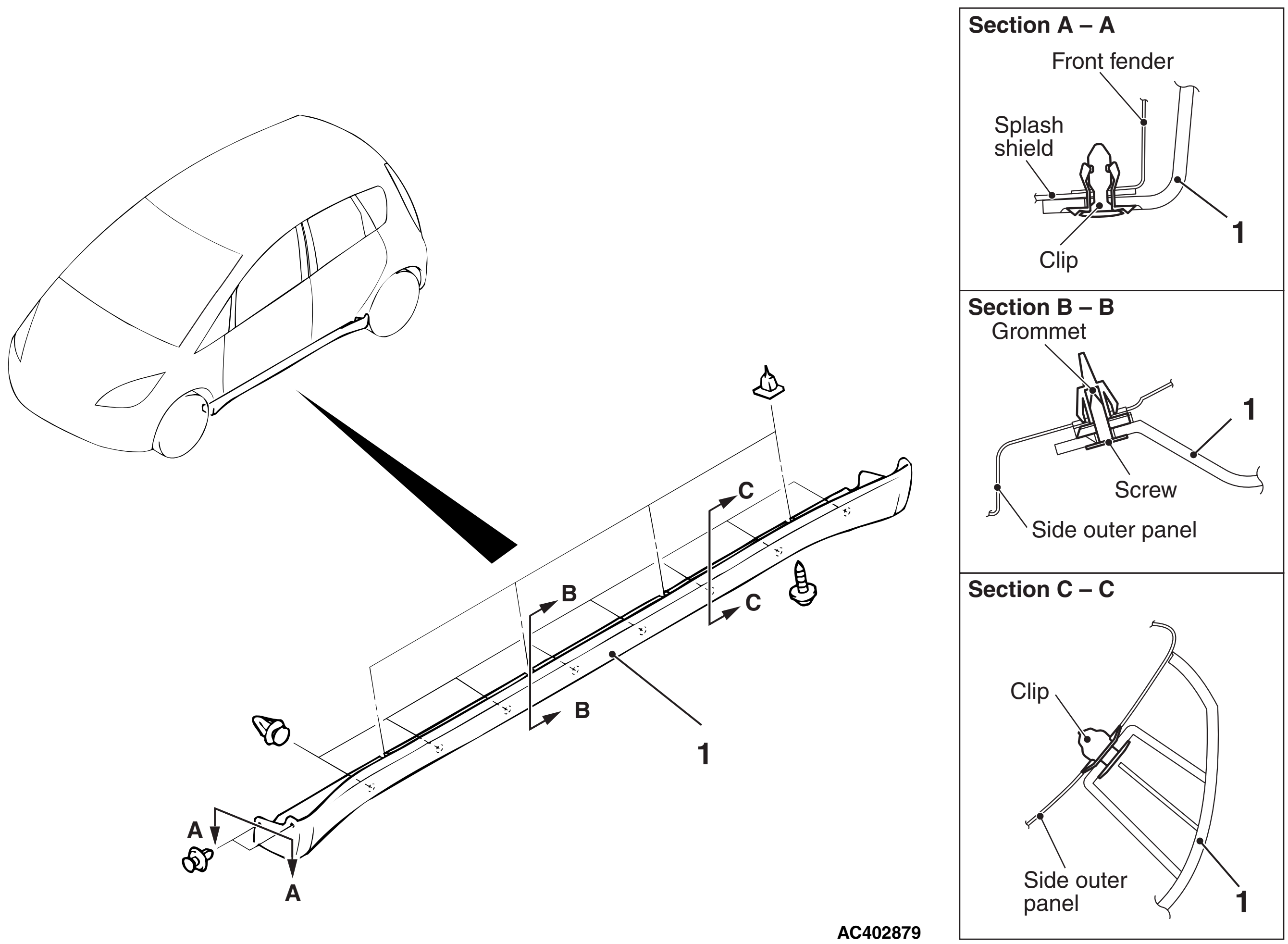
M1511000501010

Application	Specified adhesive
Side air dam	Double-sided tape: Generic products 4 mm width and 0.8 mm thickness

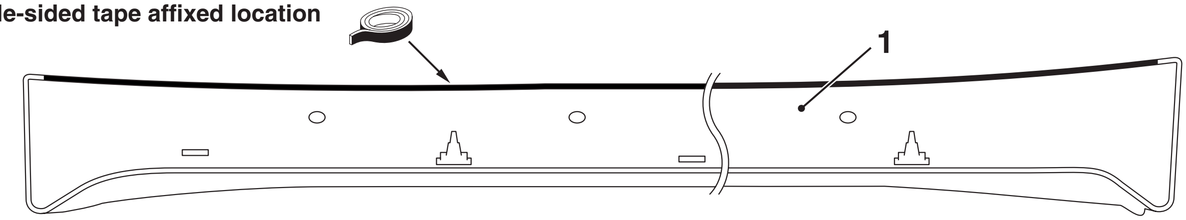
SIDE AIR DAM

REMOVAL AND INSTALLATION <EXCEPT RALLIART Version-R>

M1511005500432



Double-sided tape affixed location



Double-sided tape: Generic products 4.0 mm width, 0.8 mm thickness

AC405461AB

Removal

<<**A**>> >>**A**<< 1. Side air dam

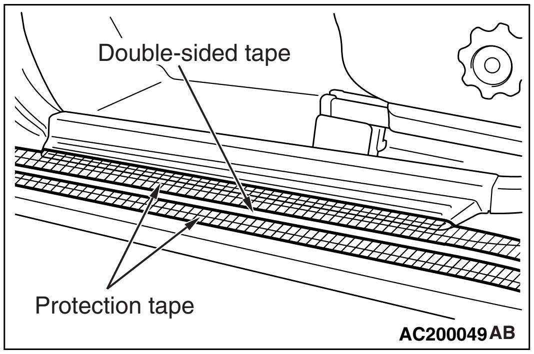
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REMOVAL SERVICE POINT

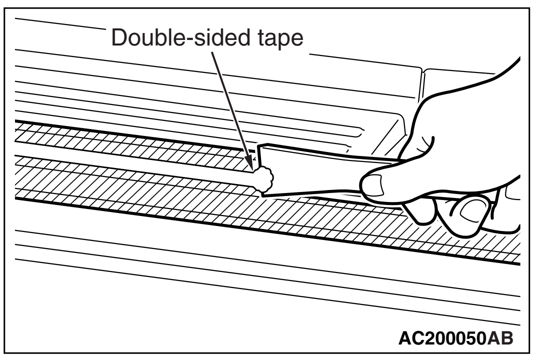
<<A>> SIDE AIR DAM REMOVAL

Gently lift and remove the side air dam. If there is any double-sided tape remaining on the side air dam, remove according to the following instructions.

<Remove double-sided tape remaining on the body surface>

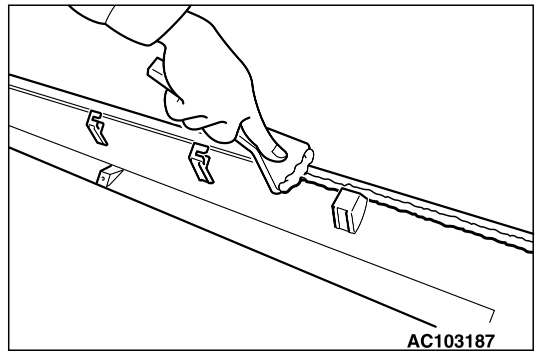


1. Attach protection tape all the way along the edges of the double-sided tape which is still adhering to the body.



2. Scrape off the double-sided tape with a resin spatula as much as possible.
3. Peel off the protection tape.
4. Wipe the body surface and clean it with a rag moistened with isopropyl alcohol.

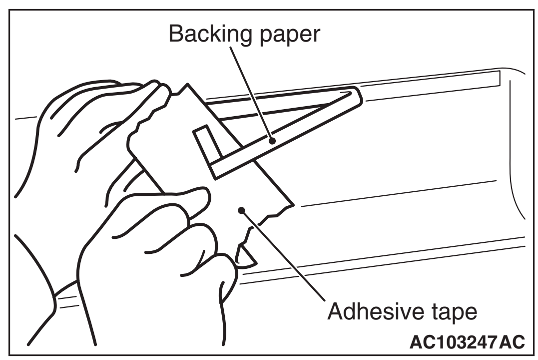
<Remove double-sided tape remaining on side air dam and adhere double-sided tape (when re-using side air dam)>



1. Scrape off the double-sided tape on the side air dam with a resin spatula as much as possible.
2. Wipe the side air dam surface and clean it with a rag moistened with isopropyl alcohol.
3. Remove only a small portion of the residual adhesive.
4. Adhere the double-sided tape as specified on the side air dam (Refer to double-sided tape adherence location).

INSTALLATION SERVICE POINT

>>A<< SIDE AIR DAM INSTALLATION



1. Tear off the double-sided tape backing paper.

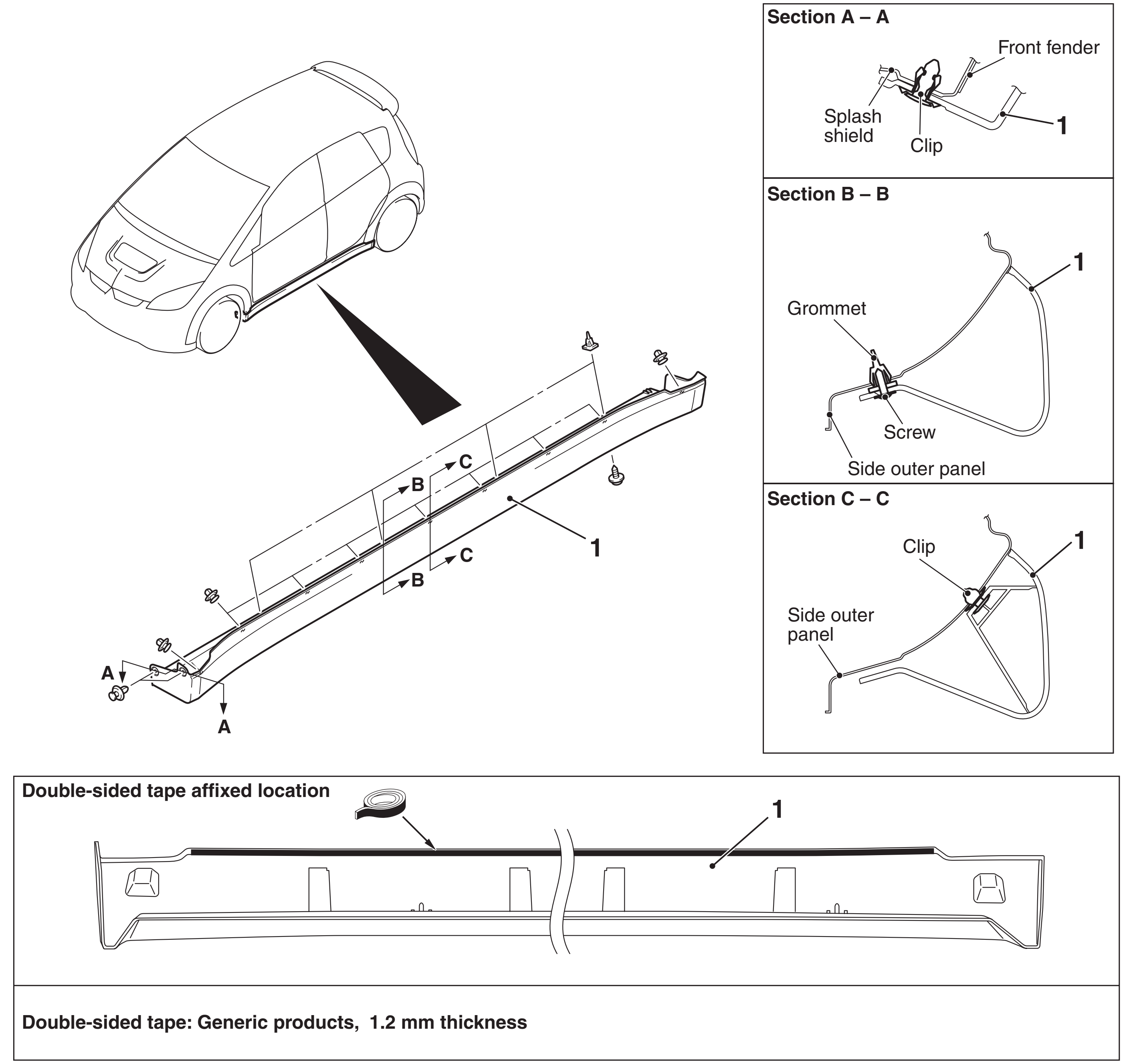
   NOTE: If attach the adhesive tape to the edge of the backing paper, it will be easy to tear off.
2. Install the side air dam.

   NOTE: If the double-sided tape is difficult to affix in cold temperature, etc., warm the bonding surfaces of the body and side air dam to about 40–60°C before affixing the tape.
3. Firmly press in the side air dam.

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REMOVAL AND INSTALLATION <RALLIART Version-R>

M1511005500421



AC511790AB

Removal

<<**A**>> >>**A**<< 1. Side air dam

NOTE: Refer to SIDE AIR DAM <Except RALLIART Version-R> for the removal and installation service points(P.51-23).

Main Index
Group TOC

GARNISHES <RALLIART Version-R>

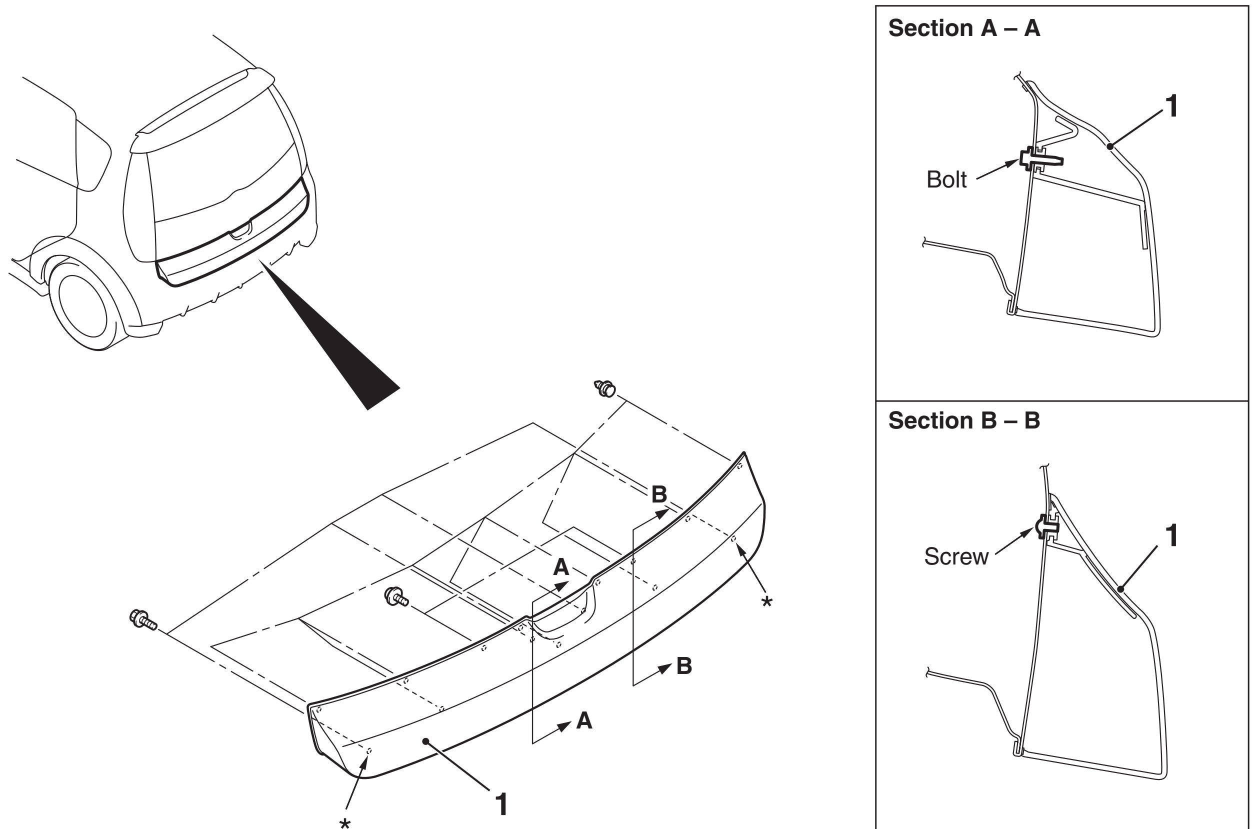
ADHESIVE

M1511000501504

Application	Specified adhesive
Tailgate garnish	Double-sided tape: Generic products 1.2 mm thickness

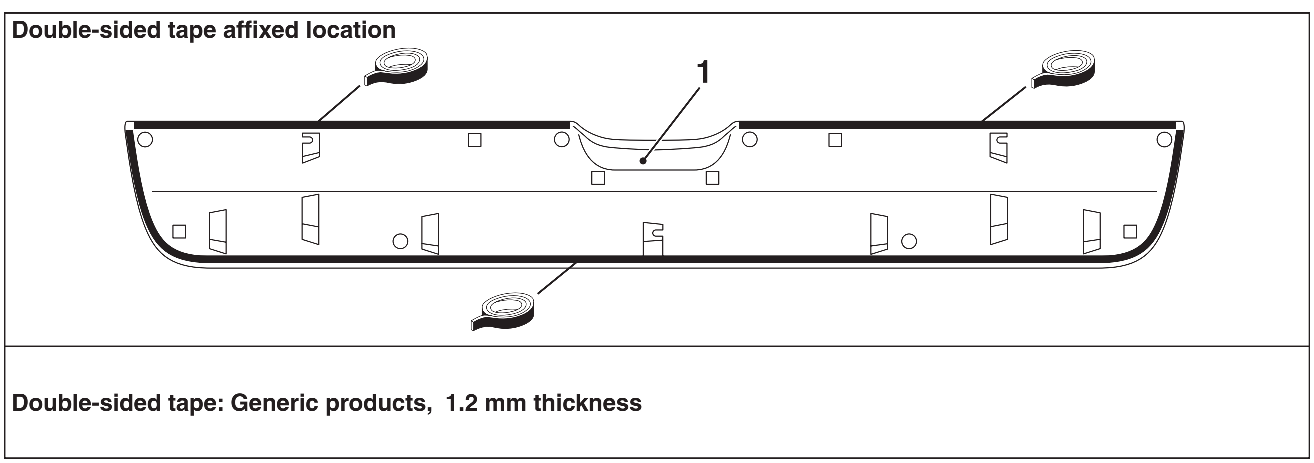
REMOVAL AND INSTALLATION <RALLIART VERSION-R>

M1511004100334



*: Remove the bolts from the tailgate bumper installation holes.

AC511783AB



AC511787AB

REMOVAL

1. Tailgate garnish

Main Index
Group TOC

TAILGATE SPOILER

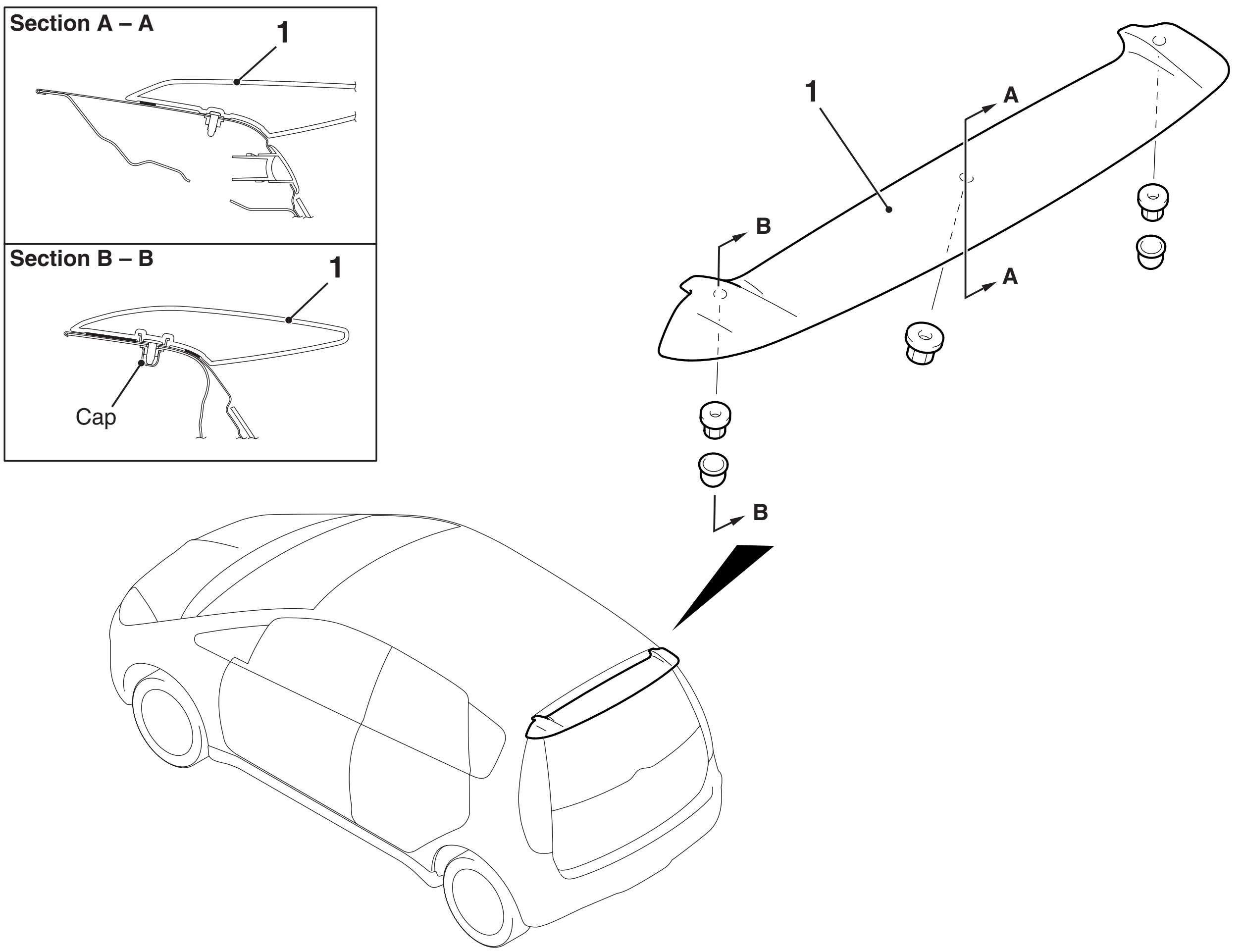
ADHESIVE

M1511000501388

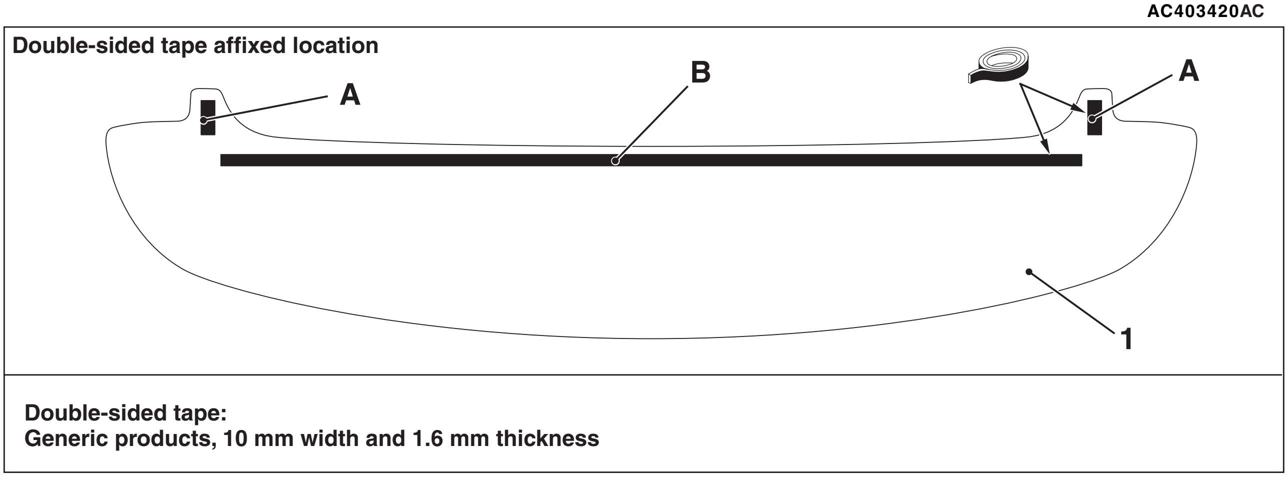
Application	Specified adhesive
Tailgate spoiler	Double-sided tape: Generic products 10 mm width and 1.6 mm thickness

REMOVAL AND INSTALLATION

M1511019900273



AC403420AC



Removal

1. Tailgate spoiler assembly

Main Index
Group TOC

WINDSHIELD WIPER AND WASHER

SERVICE SPECIFICATION

M1511000300596

Item	Standard value
Stop position of the windshield wiper arm/blade assembly (Distance between the edge of the wiper blade and the end of the deck garnish) mm	Driver's side: 40 ± 5 Passenger's side: 25 ± 5

TROUBLESHOOTING

M1511020000393

The windshield wiper and washer are controlled by the Smart Wiring System (SWS). For troubleshooting, refer to GROUP 54B, Troubleshooting P.54B-35 or GROUP 54C, Troubleshooting P.54C-29.

NOTE: Even when the ETACS-ECU has failed, the windshield wiper can work at low speed as fail-safe mode. (Normally, the windshield wiper operates when the ignition switch is at the "ACC" position. But, if it enters the fail-safe mode, the wiper can operate only when the ignition switch is at the "ON" position).

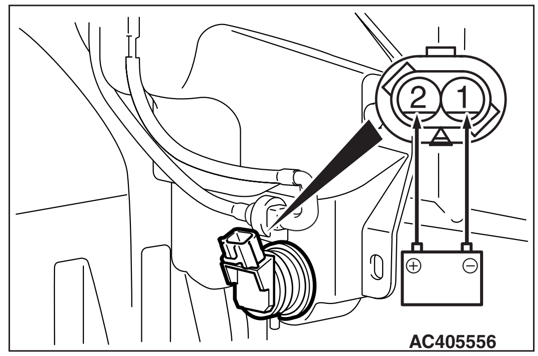
ON-VEHICLE SERVICE

M1511000801022

WINDSHIELD INTERMITTENT WIPER INSPECTION

1. Check the wipers operate in the intermittent action when the windshield intermittent wiper switch is at the intermittent operation.
2. Check that the intermittent wiper interval is changed as the intermittent wiper knob is operated.
3. Turn the windshield intermittent wiper switch to the intermittent operation position. Use the M.U.T.-III to set a simulated vehicle speed with the wiper knob held. The intermittent wiper interval should be changed as the simulated vehicle speed is changed.
4. If either of above is defective, carry out the troubleshooting. For troubleshooting, refer to GROUP 54B, Troubleshooting P.54B-35 or GROUP 54C, Troubleshooting P.54C-29.

WASHER MOTOR INSPECTION (WINDSHIELD WASHER)



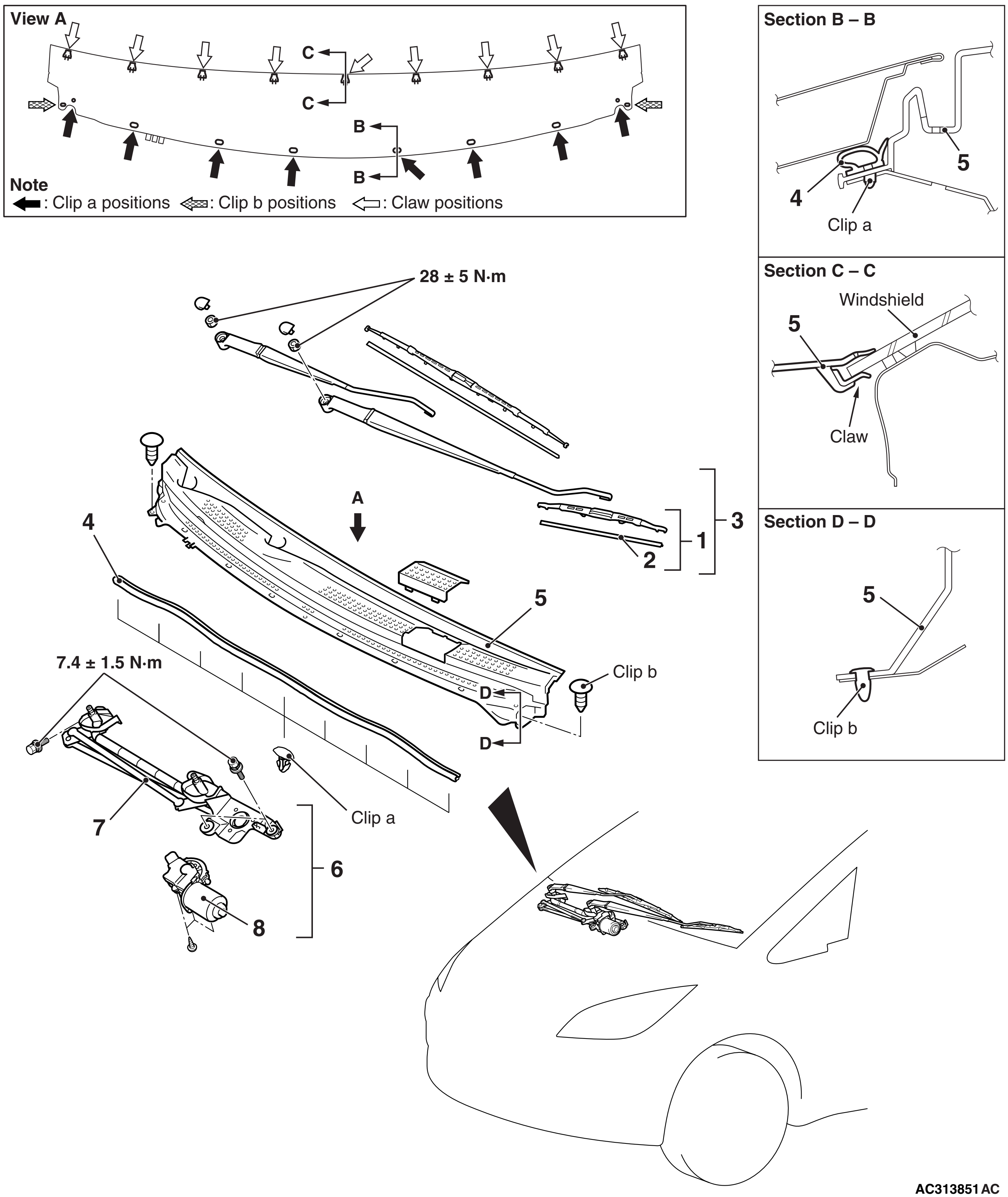
1. Check the washer fluid level of washer tank located at front right corner, and refill fluid if necessary.
2. Remove the front part of splash shield (RH).
3. Disconnect the washer motor connector.
4. Connect the battery to the washer motor connector as shown. Check that the washer motor delivers washer strongly.

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WINDSHIELD WIPER

REMOVAL AND INSTALLATION

M1511007900577



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Wiper blade assembly removal steps

1. Wiper blade assembly
2. >>**A**<< Wiper blade

Windshield wiper motor removal steps

3. >>**B**<< Wiper arm and blade assembly
4. Hood weather strip
5. Front deck garnish

Windshield wiper motor removal steps (Continued)

6. Windshield wiper motor and link assembly
7. Windshield wiper link
8. <<**A**>> Windshield wiper motor

NOTE: For removal and installation of the wiper and washer switch, refer to GROUP 54A, Column switch P.54A-89.

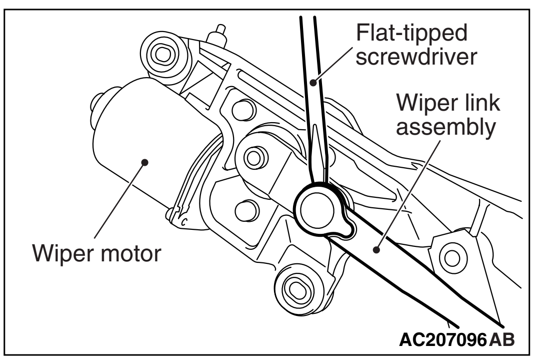
REMOVAL SERVICE POINT

<<A>> WINDSHIELD WIPER MOTOR REMOVAL

1. Remove the windshield wiper motor mounting bolts.

⚠ CAUTION

Don't remove the crank arm of the windshield wiper motor if not necessary, because it is installed to the motor body to the specified auto-stop angle. If it is necessary to remove the crank arm, make the mating marks on the crank arm and the motor body.

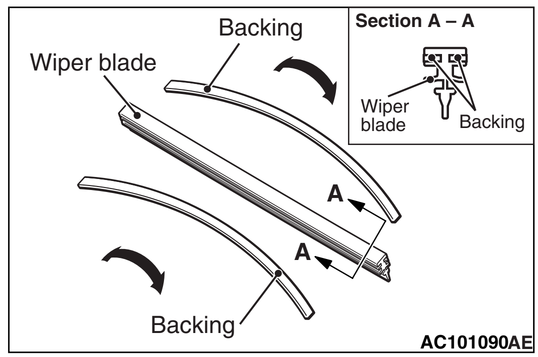


2. Disconnect the crank arm of the windshield wiper motor and the windshield wiper link assembly with a flat-tipped screwdriver, and then remove the windshield wiper motor.

INSTALLATION SERVICE POINT

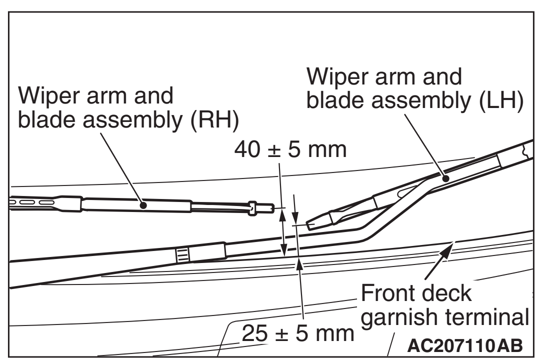
>>A<< WIPER BLADE INSTALLATION

⚠ CAUTION



Ensure that the backings are bent in the shown direction, and then install the backings to the wiper blade.

>>B<< WIPER BLADE ASSEMBLY INSTALLATION



Install the wiper arm and blade assembly so that its tip is positioned as shown.

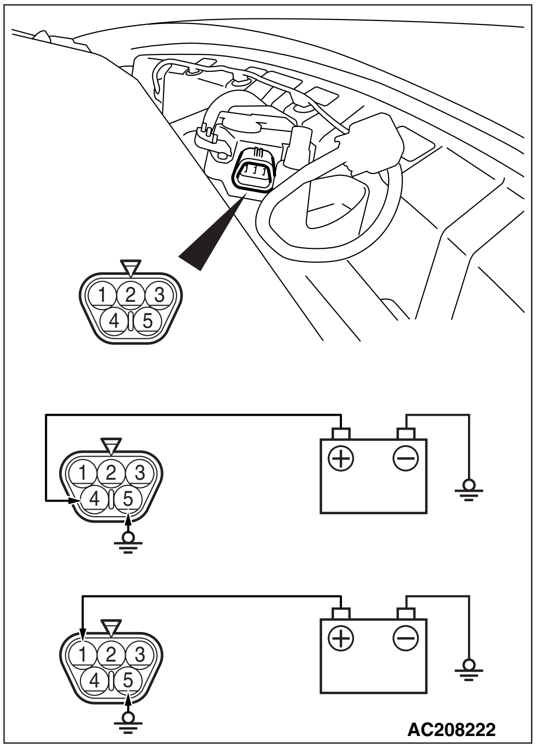
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INSPECTION

M1511019101032

WINDSHIELD WIPER MOTOR CHECK

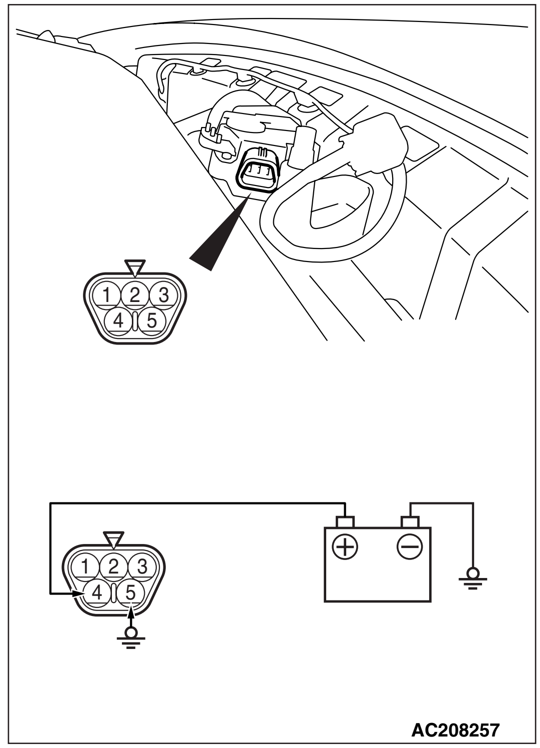
OPERATION CHECK OF THE WINDSHIELD WIPER MOTOR WHEN IT IS WORKING AT LOW OR HIGH SPEED



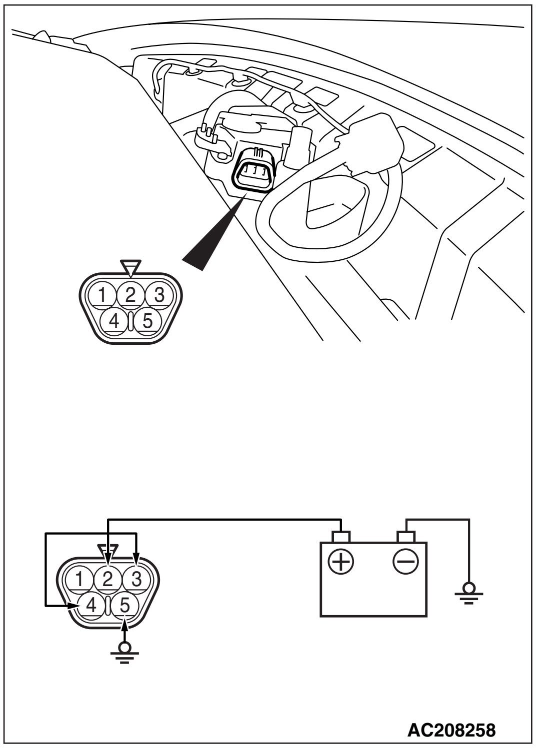
1. Connect the positive battery terminal to windshield wiper motor connector terminal No.4 as shown. Check the low-speed operation of the motor by earthing windshield wiper motor connector terminal No.5.
2. Connect the positive battery terminal to windshield wiper motor connector terminal No.1 as shown. Check the high-speed operation of the motor by earthing windshield wiper motor connector terminal No.5.

CHECK OF STOP POSITION OF THE WINDSHIELD WIPER MOTOR

Prior to this check, ensure that there is no excessive play at the windshield wiper link.



1. Connect the positive battery terminal to windshield wiper motor connector terminal No.4 as shown. Operate the motor at low speed by earthing the motor.
2. Disconnect the battery cable from motor connector terminal No.4. The motor should stop.



3. Connect the positive battery terminal to motor connector terminal No.2 as shown.
4. Connect motor connector terminal No.3 to No.4 as shown.
5. Check to see that the motor runs at low speed and then stops at the automatic stop position.

WINDSHIELD WIPER SWITCH CHECK

Check the input signals (mist, intermittent, low speed and high speed) from the windshield wiper switch. (Refer to GROUP 54B, Troubleshooting P.54B-35 or GROUP 54C, Troubleshooting P.54C-29).

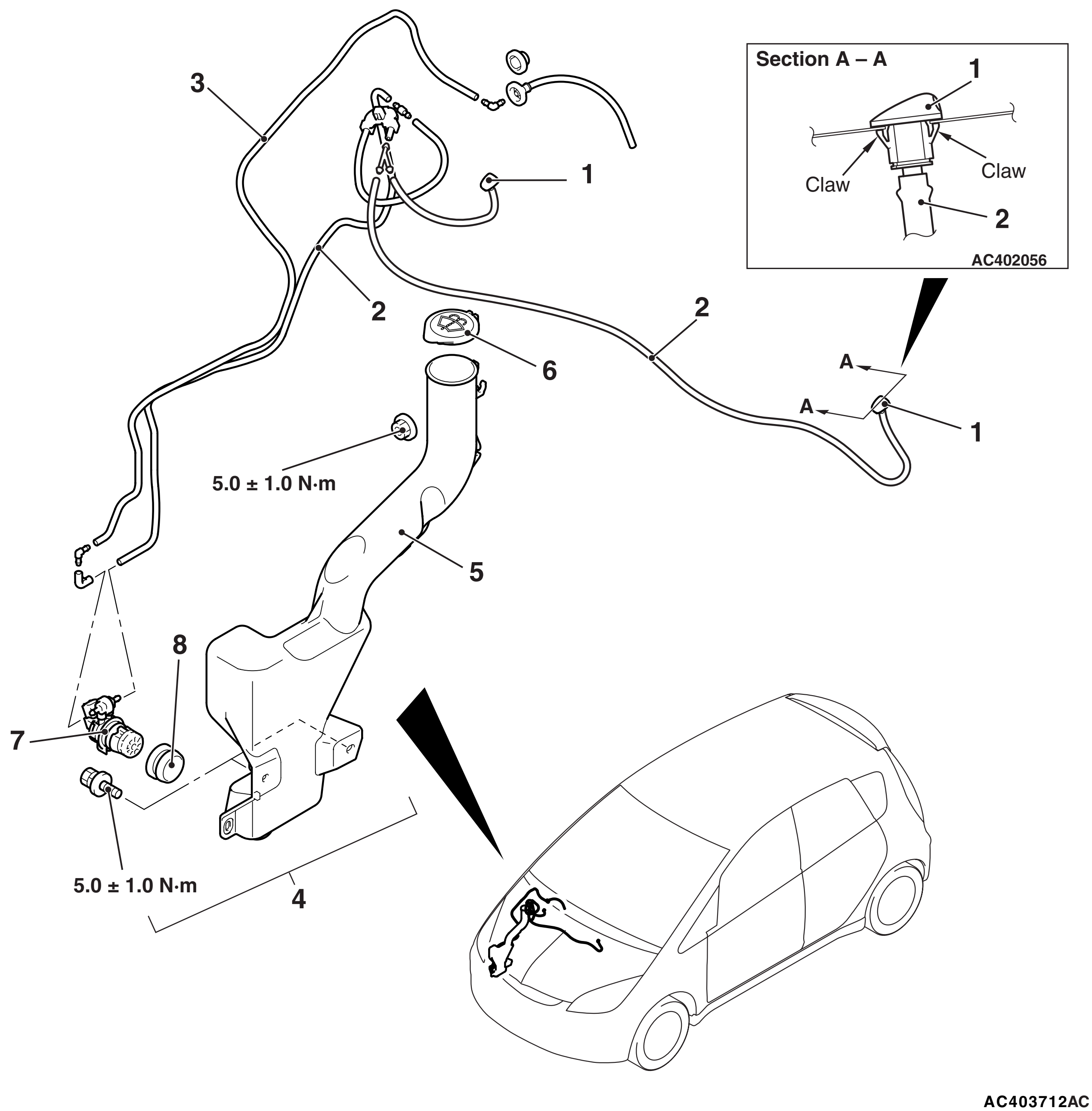
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WINDSHIELD WASHER

REMOVAL AND INSTALLATION

M1511008200690



Windshield washer nozzle removal steps

- Hood insulator
1. Windshield washer nozzle
2. Front washer hose

Washer tank removal steps

- Headlamp assembly mounting clips
- Washer motor connector connection
- Windshield washer hose connection
3. Rear washer hose connection
4. Washer tank assembly

Washer tank removal steps

5. Washer tank
6. Cap

Washer motor removal steps

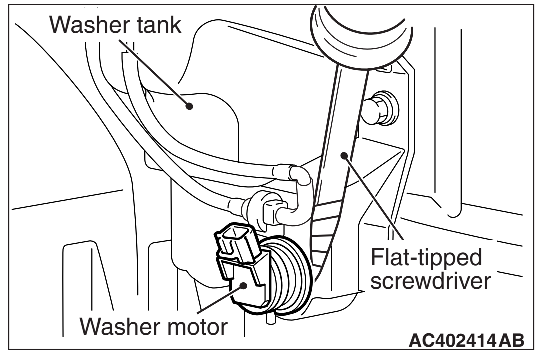
- Splash shield mounting clips
- Washer motor connector connection
- Windshield washer hose connector connection
- Rear washer hose connector connection

<<A>> 7. Washer motor
8. Gasket

NOTE: For removal and installation of the wiper and washer switch, refer to GROUP 54A, Column switch *P.54A-89**.*

REMOVAL SERVICE POINTS

<<A>>WASHER MOTOR REMOVAL



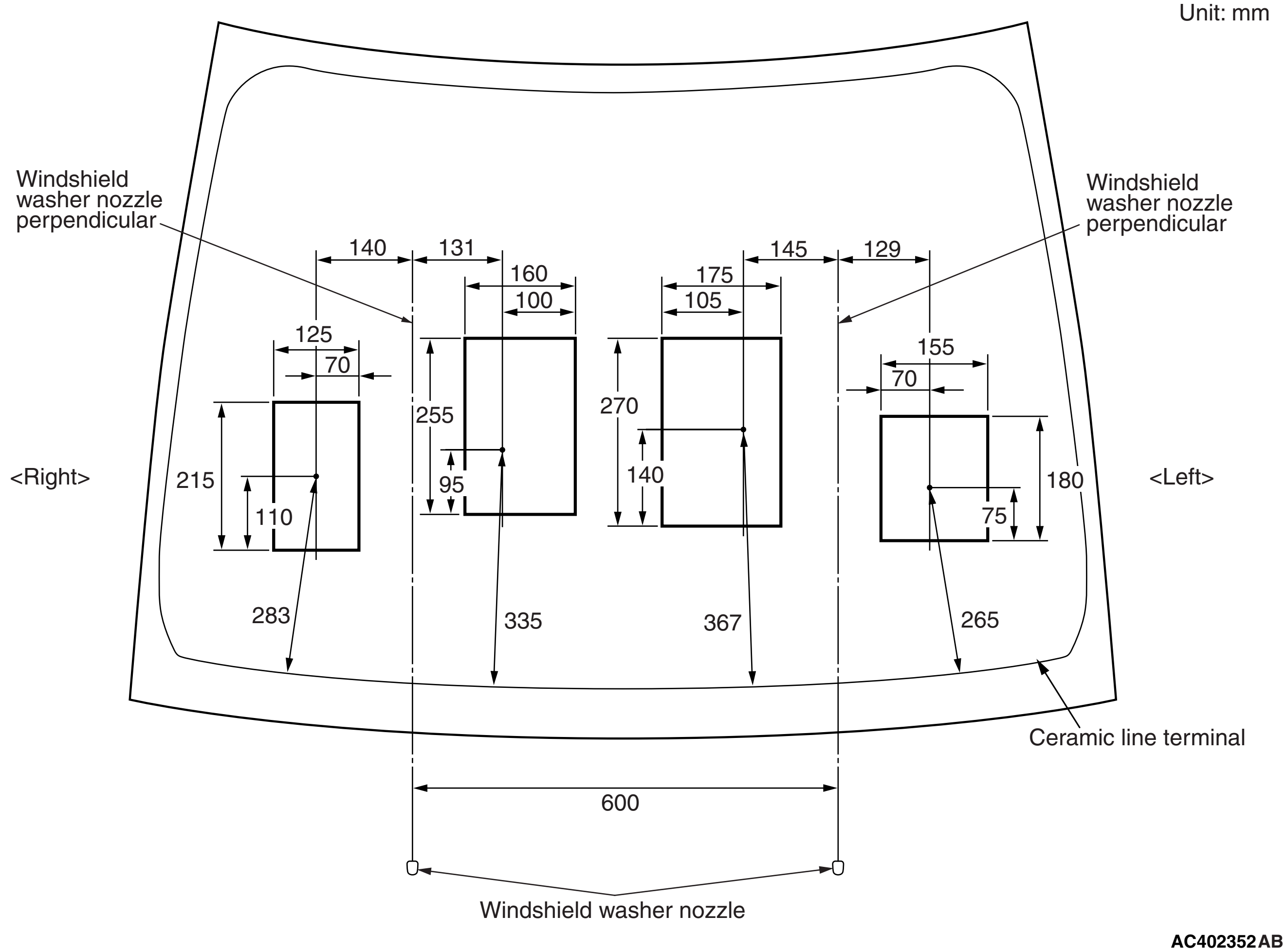
Insert a flat-tipped screwdriver wrapped with protective tape between the washer tank and the lower outer side of the washer motor. Pry out the washer motor.

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Group TOC

INSPECTION

M1511019101281

WINDSHIELD WASHER FLUID EJECTION CHECK



Move the nozzle to adjust the position so that the spray is in the area shown in the illustration.

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REAR WIPER AND WASHER

TROUBLESHOOTING

M1511020000401

The rear wiper washer is controlled by the Smart Wiring System (SWS). For troubleshooting, refer to GROUP 54B, Troubleshooting P.54B-35 or GROUP 54C, Troubleshooting P.54C-29.

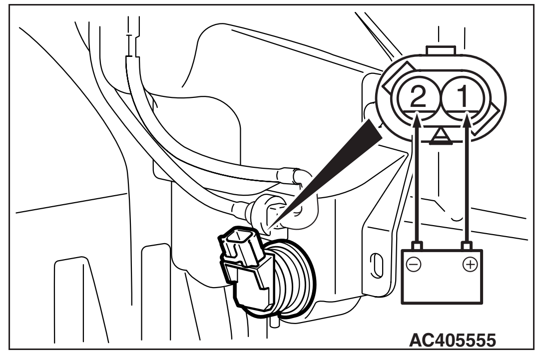
ON-VEHICLE SERVICE

M1511000801033

OPERATION CHECK OF REVERSE GEAR-LINKED OPERATION OF THE REAR WIPER

1. When the selector lever is moved to the "R" position with the rear wiper switch at the "INT" position, the wiper should operate twice or three times at low speed after approximately one second.
2. If not, carry out the troubleshooting. (Refer to GROUP 54B, Troubleshooting P.54B-35 or GROUP54C, Troubleshooting P.54C-29).

WASHER MOTOR INSPECTION (REAR WASHER)



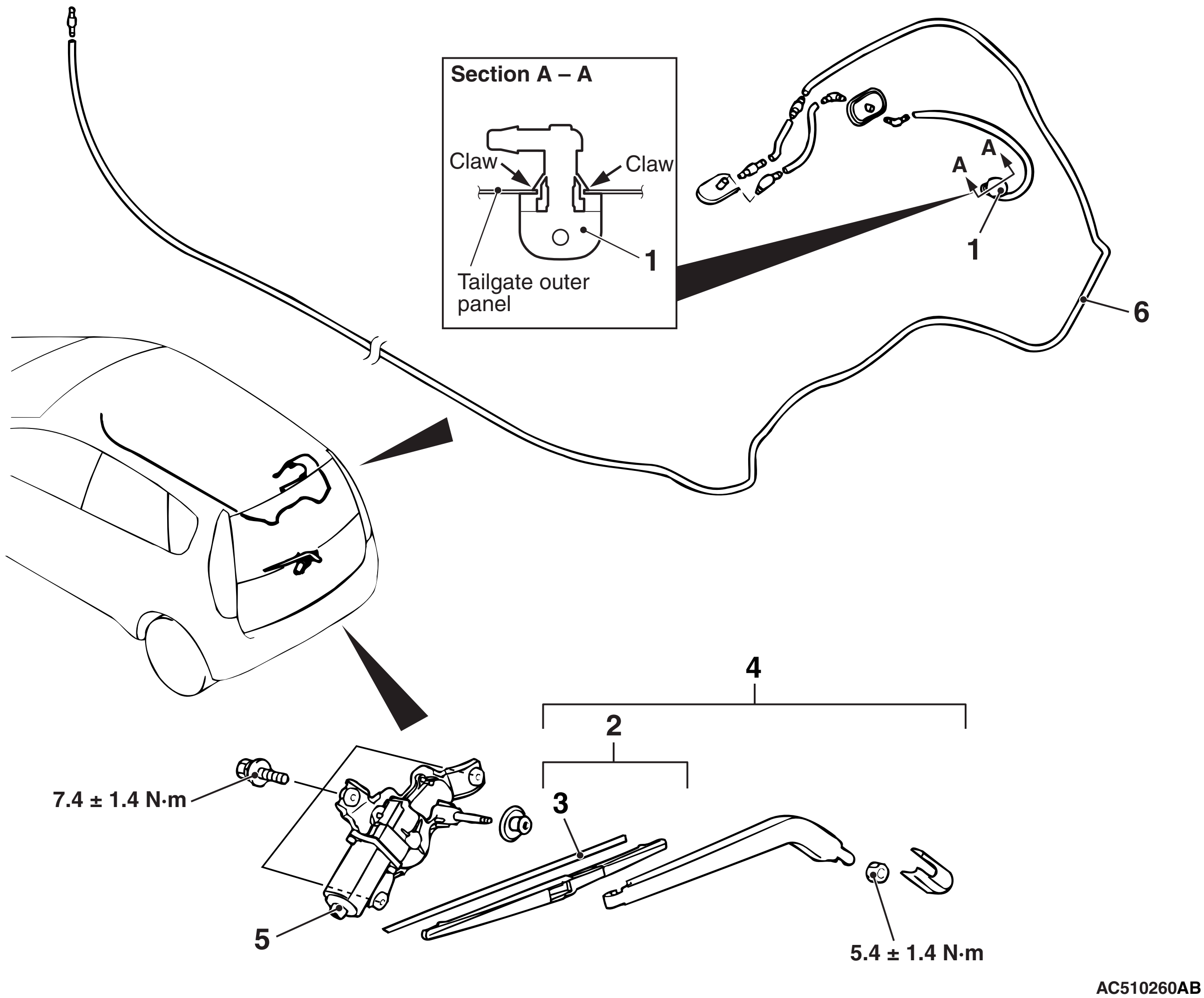
1. Check the washer fluid level of washer tank located at front right corner, and refill fluid if necessary.
2. Remove the front part of splash shield (RH).
3. Disconnect the washer motor connector.
4. Connect the battery to the washer motor connector as shown. Check that the washer motor delivers washer strongly.

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REAR WIPER AND WASHER

REMOVAL AND INSTALLATION

M1511008500505



Washer tank assembly removal

- Washer tank (Refer to P.51-33).
- Washer motor (Refer to P.51-33).

Rear washer nozzle removal steps

- Tailgate spoiler (Refer to P.51-27).
- High-mounted stop lamp assembly (Refer to GROUP 54A, High-mounted stop lamp P.54A-83).

1. Rear washer nozzle assembly

Rear wiper blade removal steps

2. Rear wiper blade assembly

>>**A**<< 3. Rear wiper blade

Rear wiper motor removal steps

>>**B**<< 4. Rear wiper arm blade assembly

- Tailgate trim (Refer to GROUP 52A, Tailgate trim P.52A-15).

5. Rear wiper motor assembly

Rear washer hose removal steps

- Cowl side trim, front scuff plate, rear scuff plate, quarter trim (Refer to GROUP 52A, Interior trim P.52A-11).
- Tailgate trim (Refer to GROUP 52A, Tailgate trim P.52A-15).

6. Rear washer hose

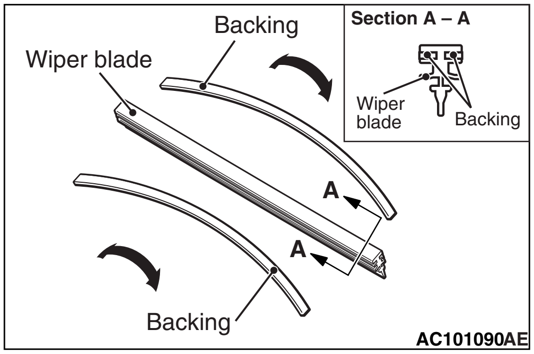
NOTE: For removal and installation of the wiper and washer switch, refer to GROUP 54A, Column switch P.54A-89.

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INSTALLATION SERVICE POINTS

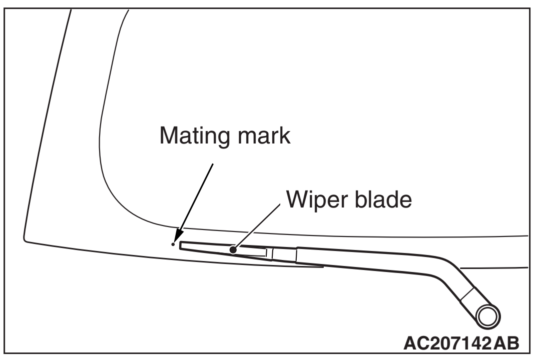
>>A<< WIPER BLADE INSTALLATION

⚠ CAUTION



Ensure that the backings are bent in the shown direction, and then install the backings to the wiper blade.

>>B<< REAR WIPER ARM AND BLADE ASSEMBLY



Install the wiper arm and blade assembly so that the blade end stops at the mating mark.

INSPECTION

M1511019101504

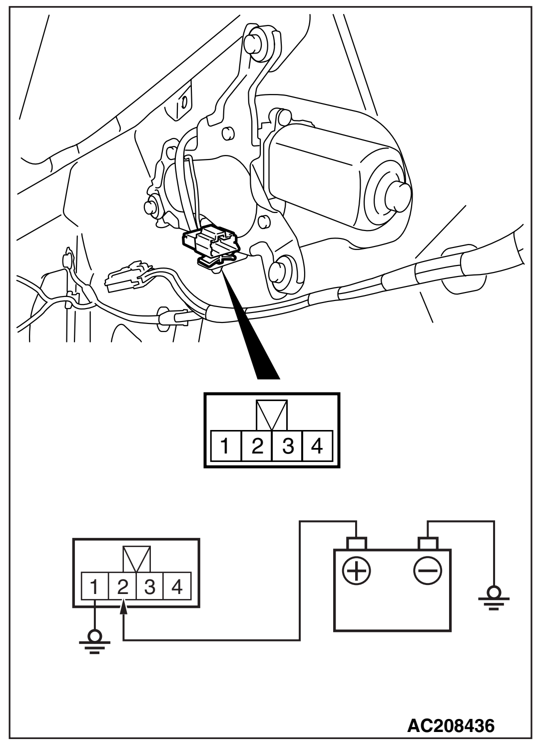
REAR WIPER MOTOR CHECK

Inspect the rear wiper motor by removing the harness connector with the motor attached to the vehicle.

OPERATION CHECK OF THE REAR WIPER MOTOR

⚠ CAUTION

Before operating the rear wiper motor, apply water to the tailgate glass to avoid damage to the tailgate glass surface or the wiper blade due to dry wiping.

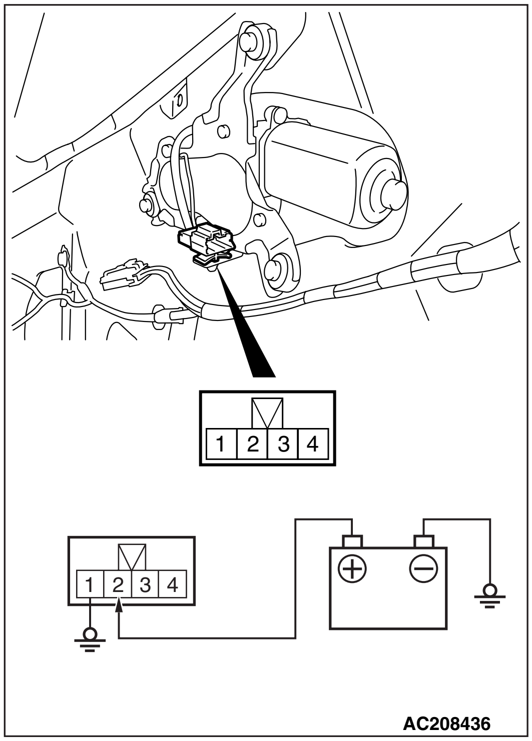


Check the motor operation by connecting the battery to the rear wiper motor as shown.

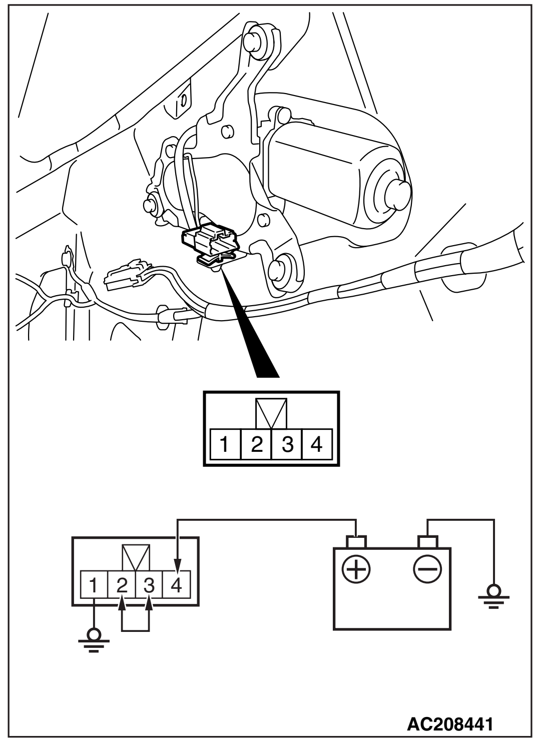
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CHECK OF STOP POSITION OF THE REAR WIPER MOTOR

⚠ CAUTION
Before operating the rear wiper motor, apply water to the tailgate glass to avoid damage to the tailgate glass surface or the wiper blade due to dry wiping.

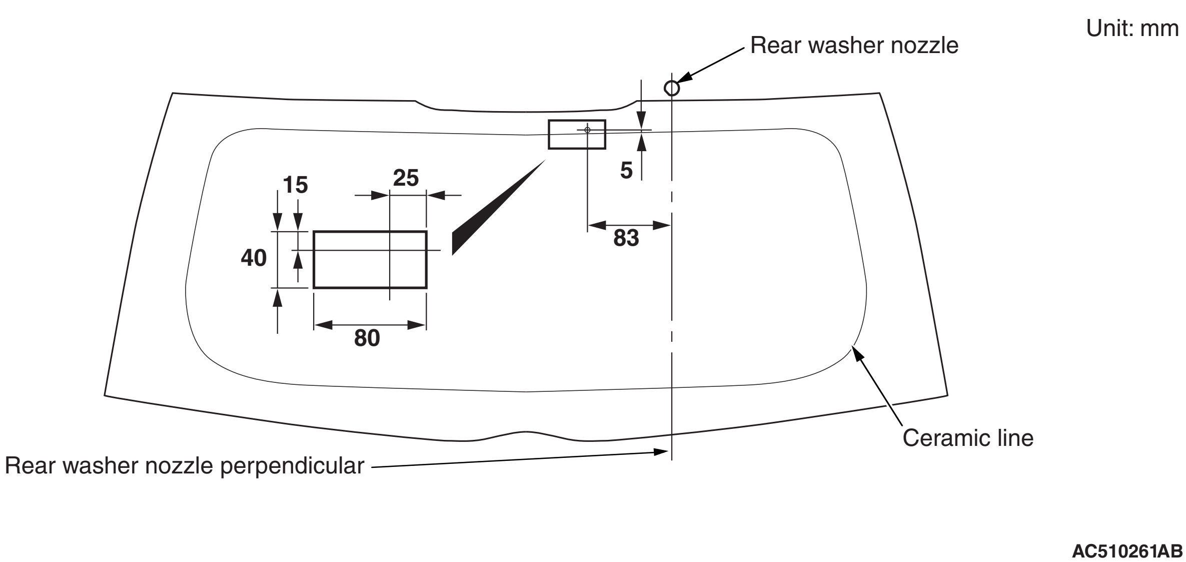


1. Connect the battery to the rear wiper motor as shown.
2. Disconnect the battery cable from the rear windshield wiper motor while it is turning and then check to see that the motor stops.



3. Re-connect the battery as shown.
4. Check to see that the rear windshield wiper motor runs and then stops at the automatic stop position.

REAR WASHER FLUID EJECTION CHECK



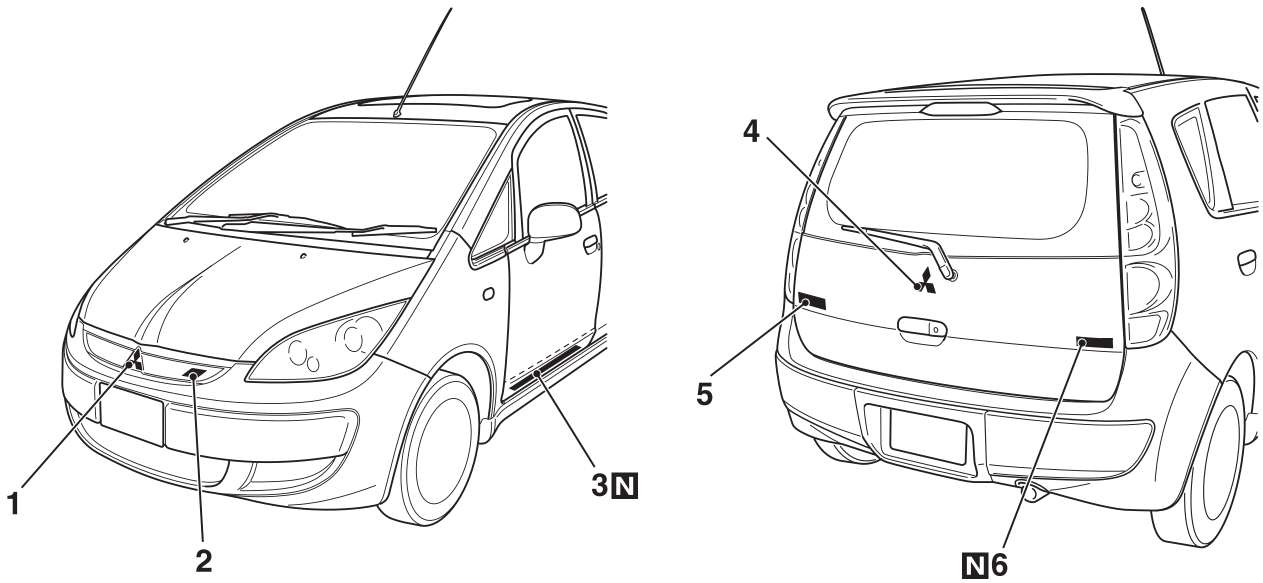
Move the nozzle to adjust the position so that the spray is in the area shown in the illustration.

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MARK

REMOVAL AND INSTALLATION

M1511011801833



AC600667AB

	1.	Front three-diamond mark (Refer to P.51-2)
	2.	RALLIART icon mark <RALLIART> (Refer to P.51-2)
>>A<<	3.	Front step plate <RALLIART>
>>A<<	4.	Rear three-diamond mark
>>A<<	5.	COLT mark
>>A<<	6.	RALLIART mark <RALLIART>

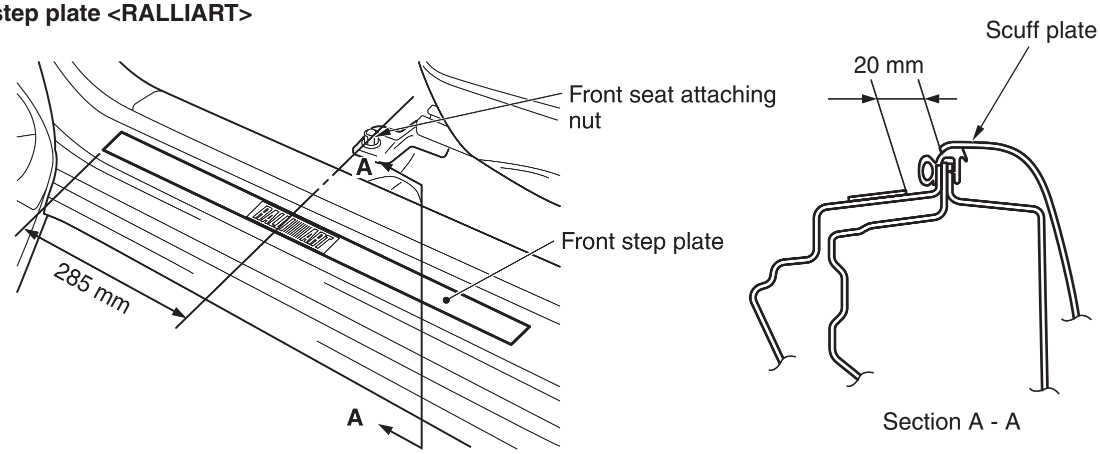
INSTALLATION SERVICE POINT

>>A<<MARK APPLICATION

1. Installation position

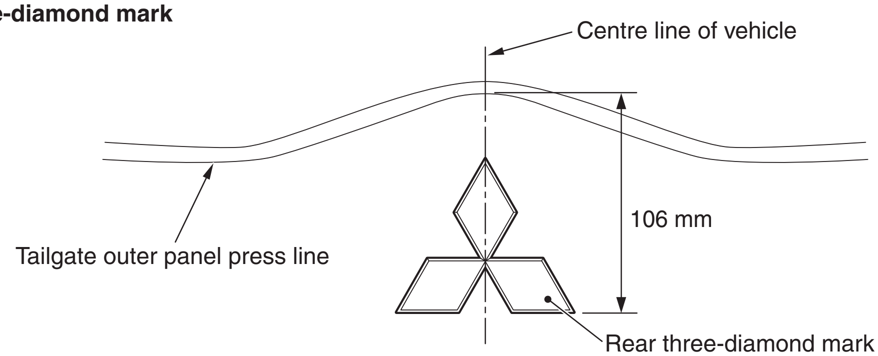
   Attach each mark to the position shown in the illustration.

   3. Front step plate <RALLIART>



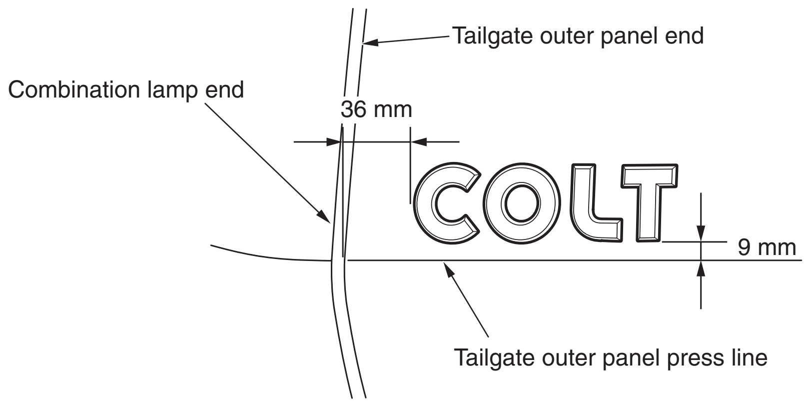
AC403306AH

4. Rear three-diamond mark



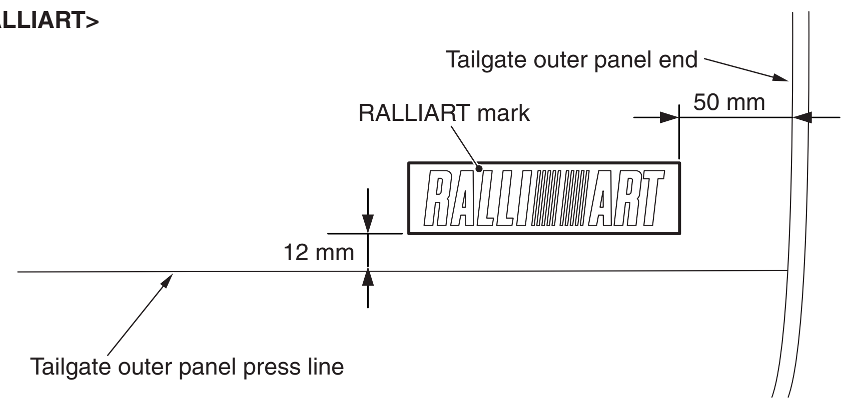
AC403267AB

5. COLT mark



AC206522AF

6. RALLIART mark <RALLIART>



AC403269AC

2. Installation procedure
   (1) Use 3M ATD part number 8906 or equivalent to clean the mark installation surfaces on the body.

⚠ CAUTION

When attaching the marks, the ambient temperature should be 20 – 38°C and the air should be completely free of dust. If the ambient temperature is lower than 20°C, the marks and the places on the vehicle body where the marks are to be attached should be heated to 20 – 30°C.

   (2) Peel off the protection sheet on the back of the marks to paste it on the installation position.

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Group TOC

DOOR MIRROR

TROUBLESHOOTING

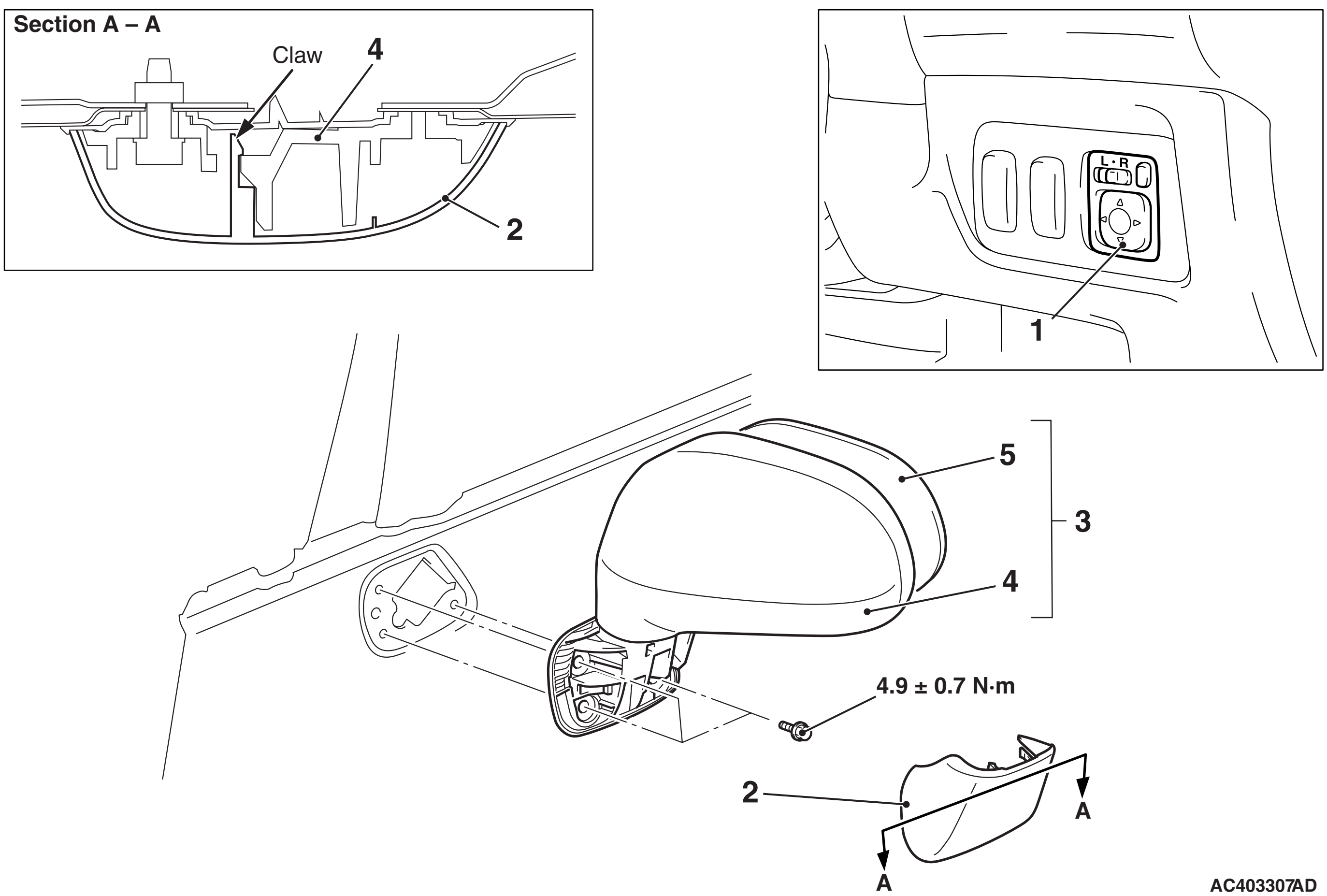
M1511020000412

The door mirror are controlled by the Smart Wiring System (SWS). For troubleshooting, refer to GROUP 54B, troubleshooting P.54B-35 or GROUP 54C, Troubleshooting P.54C-29.

DOOR MIRROR

REMOVAL AND INSTALLATION

M1511006400654



Remote controlled mirror switch removal steps

- Instrument panel under cover (Refer to group 52A, Instrument panel assembly P.52A-3).

1. Remote controlled mirror switch

Door mirror assembly removal steps

<<**A**>> 2. Door mirror base cover
3. Door mirror assembly
4. Door mirror
5. Mirror

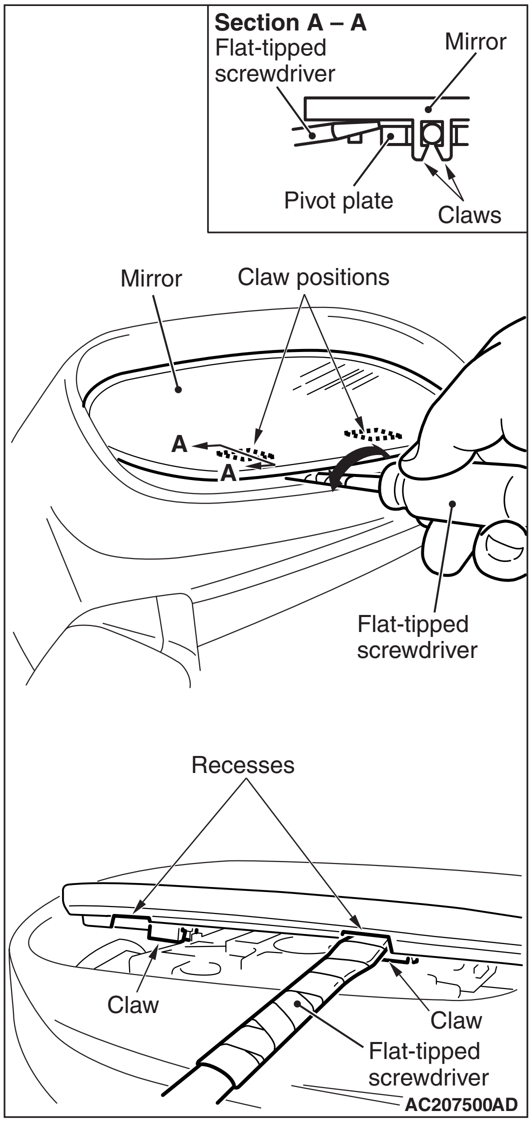
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REMOVAL SERVICE POINT

<<A>> MIRROR REMOVAL

⚠ CAUTION

The tab of the mirror is prone to breakage when working in cold temperature. Always use a hair drier or the like to warm up the mirror tab and its periphery to 20°C or higher prior to work. When the mirror is heated too quickly from its cold state, it may be broken.



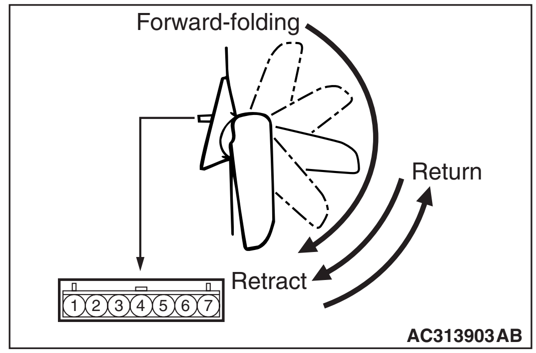
Slant the mirror upward with your hands. Then insert flat-tipped screwdriver wrapped with protective tape between the pivot plate and mirror through the cut-out from behind the mirror. Now pry off the mirror tab and release the lower side of the mirror as shown in the illustration.

INSPECTION

M1511019101548

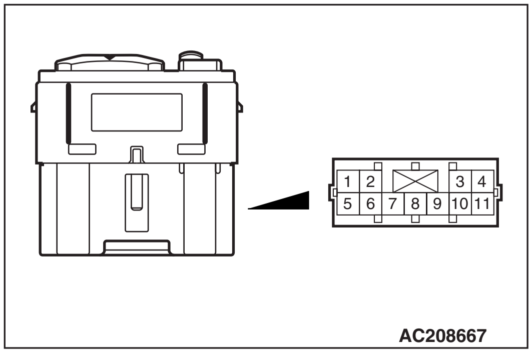
DOOR MIRROR ASSEMBLY OPERATION CHECK

Remove the door trim, and then connect the battery to the door mirror assembly connector to check that the door mirror operates.



Battery connection	Direction operation
• Connect terminal 3 to the negative battery terminal. • Connect terminal 5 to the positive battery terminal.	Up
• Connect terminal 3 to the positive battery terminal. • Connect terminal 5 to the negative battery terminal.	Down
• Connect terminal 3 to the negative battery terminal. • Connect terminal 4 to the positive battery terminal.	Right
• Connect terminal 3 to the positive battery terminal. • Connect terminal 4 to the negative battery terminal.	Left
• Connect terminal 6 to the positive battery terminal. • Connect terminal 7 to the negative battery terminal.	Retract
• Connect terminal 6 to the negative battery terminal. • Connect terminal 7 to the positive battery terminal.	Return

DOOR MIRROR CONTROL SWITCH CONTINUITY CHECK



AC208667

Switch position		Tester connection	Specified condition
OFF		1 – 2, 1 – 3, 1 – 4, 1 – 6, 1 – 10, 1 – 11, 2 – 9, 3 – 9, 6 – 9, 9 – 10, 9 – 11	Open circuit
Left side	OFF	1 – 6, 1 – 10, 1 – 11, 6 – 9, 9 – 10, 9 – 11	Open circuit
	Up	1 – 6, 9 – 11	Continuity (Less than 2Ω)
	Down	1 – 11, 6 – 9	
	Right	1 – 6, 9 – 10	
	Left	1 – 10, 6 – 9	
Right side	OFF	1 – 2, 1 – 3, 1 – 6, 2 – 9, 3 – 9, 6 – 9	Open circuit
	Up	1 – 6, 3 – 9	Continuity (Less than 2Ω)
	Down	1 – 3, 6 – 9	
	Right	1 – 6, 2 – 9	
	Left	1 – 2, 6 – 9	
Retract and return		1 – 4	Continuity (Less than 2Ω)